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**FINAL REPORT FOR REMEDIATION OF LOCATIONS  
IN GRANITE CITY, MADISON, AND VENICE, ILLINOIS  
ASSOCIATED WITH NL INDUSTRIES/TARACORP  
SUPERFUND SITE**

**PRE-PLACED CONTRACT NO.  
DACA45-96-D-0014  
DELIVERY ORDER NO. 0005**

Submitted by:

**OHM Remediation Services Corp.  
Midwest Region**

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Project 19531**

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FDA Review & Approval

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## 1.0 INTRODUCTION

The United States Army Corps of Engineers (USACE) tasked OHM Remediation Services Corp. (OHM), a wholly owned subsidiary of OHM Corporation, under the Pre-Placed Contract No. DACA45-96-D-0014, Delivery Order (DO) No. 005, to perform remediation of Stack Emission sites at various locations associated with the NL Industries/Taracorp Superfund Site (NL Site) in Granite City, Madison, and Venice, Illinois.

### 1.1 SITE HISTORY

The NL Site includes the NL Industries/Taracorp Plant, a former secondary lead smelting operation located at 16<sup>th</sup> and Cleveland Boulevard in Granite City, Illinois. Prior to 1903, the plant included various smelting related equipment and processes. From 1903 to 1983, secondary lead smelting occurred on site. These activities were discontinued during 1983 and the equipment was dismantled.

In July 1981, St. Louis Lead Recyclers, Inc. (SLLR) began using equipment on adjacent property owned by Trust 454 to separate components of the Taracorp waste pile. The objective was to recycle lead bearing materials to the furnaces at Taracorp and send hard rubber off site for recycling. SLLR continued operations until March 1983 when it shut down its equipment. Residuals from the operation remain on Trust 454 property as does some equipment.

A State Implementation Plan for Granite City, Illinois was published in September 1983 by the Illinois Environmental Protection Agency (IEPA). The IEPA's report indicated the lead non-attainment problem for air emissions in Granite City, Illinois, were in large part due to emissions associated with the operation of the secondary lead smelter operation by Taracorp and lead reclamation activities conducted by SLLR. The IEPA procured Administrative Orders by Consent with Taracorp, SLLR, Stackcorp, Inc., Tri-City Truck Plaza, Inc., and Trust 454 during March 1984. The orders required the implementation of remedial activities relative to air quality.

NL Industries, as former owner of the location, voluntarily entered into an Agreement and Administrative Order by Consent with United States Environmental Protection Agency (USEPA) and IEPA in May 1985 to implement a Remedial Investigation/Feasibility Study (RI/FS) for the location and other potentially affected areas. Taracorp was not a party to the agreement due to the fact it filed for bankruptcy. The USEPA determined the location was a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) facility and it was placed on the National Priorities List on June 19, 1986.

### 1.2 DOCUMENT ORGANIZATION

This final project report is intended to provide a detailed description of the tasks involved in performing the work. Section 2.0 describes the scope of work involved in the preparation of the site-specific plans, performance of site administration/logistical support, mobilization/demobilization, site preparation/teardown, and the operational/technical scope of work performed. Section 2.0 also compares the actual scope of work performed with the planned scope of work in general terms. Section 3.0 describes the technical approaches implemented to accomplish the operational and technical tasks of the project including

sampling, analysis, waste transportation, and waste disposal. Section 4.0 describes the Health and Safety approaches implemented to accomplish the operational tasks of the project. Section 5.0 and 6.0 contain the quantity summary tables and verification analytical summary tables respectively. Appendix A depicts the Flow Charts showing work performance. Appendix B provides detailed descriptions of the work performed at each remedial location, as well as, tables and maps detailing the sampling and analysis. Appendix C contains the detailed descriptions of work performed on the easements for this project.

## 2.0 SCOPE OF WORK

The scope of work for this project was delineated by the documents USACE supplied to OHM entitled: Scope of Work for Contract DACA45-95-R-0015, Stack Emissions (Lead) Removal, Madison, Illinois.

The scope of work generally encompassed the following tasks:

- Preparation of site-specific plans
- Site administration and logistical support
- Mobilization and demobilization
- Site preparation and teardown
- Excavation, Backfill, and Compacting
- Turf
- Operational scope of work
- Waste transportation and disposal

## 2.1 PREPARATION OF SITE-SPECIFIC PLANS

OHM revised the site-specific project work plan (WP) from DO 17 to serve as a guideline describing how the work was to be performed in order to meet the requirements specified by USACE. The WP also included the chemical data acquisition plan (CDAP) and the location-specific health-and-safety plan (LSSHPP).

Variances to the WP occurred during the project but were conducted only under authorization/direction of the USACE on-site representative(s). His/her purpose was to allow the project to function more efficiently while still remaining within all regulatory requirements. These variances are referenced and described in the relevant sections of this report.

The CDAP was prepared as a guideline to describe how, where, and how many samples would be collected. The laboratory analysis methods to be used, per the requirement of USACE's revised scope of services, were also outlined in the CDAP. In response to existing field conditions, this CDAP was amended to add the quality assurance project plan (QAPP) during the actual performance of work (see Section 2.6 for these amendments).

The LSSHPP was prepared as a guideline describing the health and safety procedures which would be followed during the performance of the project. LSSHPP addressed physical, chemical, and environmental hazards unique to this project site. This LSSHPP was amended prior to the project to allow remedial work to

be performed by personnel wearing modified USEPA Level D personal protective equipment (PPE). The results of air monitoring indicated personnel could safely perform work at the remedial locations wearing poly tyvek suits, booties, gloves, hard hats, and safety glasses without respirators. Details pertaining to health and safety issues are discussed in Section 4.0, Health and Safety Summary.

## 2.2 SITE ADMINISTRATIONAL/LOGISTICAL SUPPORT

The project site administration was centrally located at # 10 Farrish in Madison, Illinois. Site administrative activities performed from this location included:

- Site Supervisor
- Cost tracking/reporting
- Health and Safety administration
- Waste tracking/documentation
- Field sampling/analytical support
- Field purchasing/subcontract management
- Logistical support

Prior to the physical work, logistical preparation activities were performed, including the following activities:

- Conduct a pre-construction meeting
- Verifying waste hauling licenses
- Meeting with property owners
- Locating utilities at necessary sites
- Establishing transportation routes
- Coordinating with local agencies and hospital

## 2.3 MOBILIZATION/DEMOBILIZATION

OHM performed mobilization of personnel and equipment primarily from its facility in O'Fallon, Missouri. A large percentage of the heavy equipment utilized on this project came from local vendors acting as subcontractors.

### 2.3.1 Subcontractors

Subcontractor activities were managed by the OHM project manager and site supervisor, and by USACE when necessary. Subcontractors were responsible for transportation, disposal, backfill material, sod and on-site equipment.

### 2.3.2 Permits

All necessary permits and licenses were secured before site mobilization. The transporter companies and disposal facilities were USEPA-licensed. Prior to mobilization, all on-site employees completed

Occupational Safety and Health Administration (OSHA) 40-hour hazardous material training.

## **2.4 MOBILIZATION/DEMobilIZATION**

Sites were set up and/or torn down at each remedial lot.

### **2.4.1 Command Center**

The command center served as the central location from which all personnel were dispatched to their respective work locations each day or as needed. The command center was located inside of a secured building and was equipped with computers, copiers, facsimile machine, telephones, and base radio. The rear of the building also served as a storage area for OHM's equipment, tools, and materials.

### **2.4.2 Remedial Locations**

Site preparation was performed at each of the remedial locations. OHM set up decontamination points for personnel and equipment and exclusion zones were established prior to excavation. These exclusion zones were identified with orange snow fencing and yellow caution tape across existing fencing. They remained in place until backfill had been completed to a sufficient depth.

Excavation equipment used on the site was decontaminated prior to demobilization or backfill. Gross contamination was scraped from the machines before they were washed. As a dust control measure, the decontamination rinse water was collected and applied to the last load of contaminated soil.

## **2.5 OPERATIONAL SCOPE OF WORK PERFORMED**

The excavation activities involved the removal of contaminated soils from the remedial sites. Restoration involved backfilling, seeding, and sodding of the sites after completing the remedial activities. The scope of work for this portion of the project is illustrated in Figure 2.1.1 The operations Flow Chart is depicted in Appendix A-1.

OHM's schedule for excavation was developed to facilitate logistical management and limit the time required to transport equipment and crews from location to location. During excavation activities, engineering controls and security measures, such as surrounding the exclusion zones with fluorescent orange polyvinyl chloride (PVC) barrier fencing, were employed to prevent cross contamination and unauthorized entry into exclusion zones.

Each of the stack emission sites had unique characteristics, which mandated particular methodologies of remediation.

### **2.5.1 Pre-construction Activities**

Pre-construction activities for this portion of the project included the following items:

- Conducting a pre-construction meeting with USACE
- Issuing subcontracts
- Communication with Julie Corporation (the utilities' identification organization in Illinois) to locate potential underground utilities at the site
- Obtaining permits
- Obtaining soil samples for waste characterization
- Videotaping residential properties for restoration purposes

### **2.5.2 Construction Activities-Lots**

The excavation techniques employed at each location varied according to location accessibility, depth, and extent of material. Minimization of disturbances to adjoining properties/areas was also a key consideration in performing each excavation. OHM used Bobcat mini-excavators, TL26, Takeuchi, TCM806 along with Kubota Tractors and manual removal methods.

Dust control was a major consideration. A storage system with pump and hose were available at all times to prevent fugitive emissions. Water trucks were also utilized to provide additional dust control and to transport water to sites for decontamination.

Most of the residential yards needed to have sod removed at varying depths of soil. Wastes were excavated using a track excavator, Takeuchi, and/or a Bobcat. At some locations, hand digging was necessary. Special soil was loaded into licensed waste hauler trucks for transportation to the disposal facility.

Most of the driveways contained aggregate soil mixtures. Most locations were accessible but required smaller equipment and hand digging. Non-hazardous waste (special waste) was classified analytically. The special waste was loaded into licensed haul trucks and sent to the disposal site.

### **2.5.4 Restoration**

After excavation to predetermine depth had been achieved, OHM restored the location to pre-remedial conditions. Excavation areas were backfilled with clean soil and restoration was completed as required by the specifications. Sodding, seeding, and revegetation were performed when necessary.

### **2.5.5 Waste Removal**

Wastes removed from the sites were transported to one of two locations. Milam RDF/Chain of Rocks. Figure A-2 in Appendix A shows the flow chart for T&D.



## 2.6 SAMPLING AND ANALYSIS

The following paragraphs detail the sampling and analysis tasks, as well as CDAP amendments/adjustments.

### 2.6.1 Sampling and Analysis Tasks

The sampling and analysis tasks for this project involved the following items:

- Street Sweeping
- Pre-characterization sampling and analysis of sites included as delineated by USACE
- Pre-characterization sampling and analysis of additional sites
- Resample (stack emission) as directed by USACE
- Backfill sampling

#### Street Sampling

OHM collected random grab samples from streets, as directed by USACE, for the purpose of determining the lead content of the street.

As per the scope of services issued to OHM by USACE, material at the residential sites exhibiting concentrations of total lead greater than 500 mg/kg were to be removed and disposed.

Samples were collected from one point in the front yard and one point in the back yard. Both samples collected were at least 10 feet from any structures if possible.

#### Site Pre-Characterization Sampling and Analysis

As the project progressed, the need to establish the level of effort anticipated for each upcoming site became much more apparent. The need to pre-characterize each of the remedial locations to establish reasonable estimates of non-hazardous waste requiring removal was made evident via an amendment to the CDAP. The site pre-characterization sampling and analysis efforts were applied to non-hazardous (stack emission) sites. The primary purpose of these efforts was to confirm or refute the potential contamination at each remedial location and to obtain an indication of the extent of contamination at sites with lead concentrations greater than 500 mg/kg. The most efficient and productive approaches to the pre-characterization sampling and analysis, which include the steps described in the following paragraphs, were ultimately developed for the residential lots.

Pre-characterization sampling and analysis at the residential lots included the establishment of two sample locations at each site. The two sample points were positioned at the center of the front and back yard of each location. One sample was then collected at the following depths from each sample location: 0 to 3 inches, 3 to 6 inches, and 6 to 12 inches.

The laboratory analysis of the samples followed the logic as below. The two samples representing the top 3-inch layer of each of the locations were analyzed for total lead and toxicity characteristic leaching

procedure (TCLP) lead. The second and third set (representing 3 to 6 and 6 to 12 inch depths) were analyzed for total lead only.

This is depicted in Figure A-3 in Appendix A.

### **Pre-characterization of Additional Sites**

Under authorization of USACE, OHM performed the pre-characterization sampling of additional sites over and above the original scope of services. The objective of this was to determine the potential presence of lead contamination with anticipation for the planning of remediation at these same sites. The technical approach for this task involved the same approaches as mentioned in the preceding paragraphs concerning pre-characterization.

### **2.6.2 CDAP Amendment/Adjustments**

#### **Development of the Sampling for Backfill Material**

An amendment for the sampling and analysis of backfill was designed to show that incoming backfill material was clean to USEPA standards. This was done as a composite sample on every 1000 cubic yards of backfill and run for the following analysis:

- TCLP for Cd, Cr, Pb
- PAH-IEPA Levels
- Pesticides/PCB's
- TPH
- GRO
- DRO
- Total VOC's

## **2.7 TRANSPORTATION AND DISPOSAL**

The transportation and disposal (T&D) of waste from the sites included the shipment of non-hazardous waste shipped to the Chain of Rocks facility/Milam facility. The special waste was transported by Garcia Trucking. The transportation of the waste was performed with tandem dump trucks.

### **2.7.1 Transportation of Waste**

Each site was identified by an address which was written on the manifest. The site was then assigned a 5-digit manifest document number at the time of shipment. This system ensured the trucks origin was documented.

The State of Illinois requires each special waste shipment be on an all Illinois manifest. This allowed each shipment of special waste to also be cross-referenced with the preprinted Illinois manifest document.

### 2.7.2 Disposal of Wastes

This project involved the removal and disposal of special non-hazardous industrial waste (non-hazardous waste) which was primarily removed from residential locations. The objective of the non-hazardous waste excavation efforts was to remove all material exhibiting concentration of total lead above 500 mg/kg, but less than 5 mg/l, when analyzed by TCLP.

Disposal characterization of waste was determined by analyzing composite samples, as directed in Section 2.6. Pre-characterization analysis was done at each site to verify depth of lead contamination. The characterization of certain waste as non-hazardous was confirmed at each site with the performance of TCLP lead analysis of composite samples.

The disposal facility subcontracted to provide non-hazardous waste disposal was the Chain of Rocks facility/Milam. OHM obtained the approved waste profile by providing analytical that was previously performed under the Rapid Response Contract.

### 3.0 TECHNICAL APPROACH

The stated objective of this project was to excavate and dispose of lead contaminated soil in yards of residential communities as per the Record of Decision between the USEPA, IEPA, and the potentially responsible parties (PRPs) for the Superfund site.

This section describes the general approach implemented to complete the work in the residential lots. The methods implemented to perform the work on this project fall into one category:

- Residential lots (Non-Hazardous)

The operational effort extended was supported by the technical information that was gained through implementation of the following:

- CDAP amendment/adjustment
- Transportation and disposal, Appendix A-2

### 3.1 PRE-CONSTRUCTION ACTIVITIES

The pre-construction activities performed during this project were predominantly associated with obtaining disposal permits; obtaining transportation permits; preparing and delivering notifications of work to the public; attending public meetings; and identifying utilities at each remedial location. Many of these pre-construction activities were performed on an on-going basis as the project proceeded from one remedial location to the next.

The permits for the disposal of non-hazardous waste were obtained prior to shipment of the waste.

Before work progressed from one remedial location to the next, the identification of utilities was coordinated from the command center by OHM's safety supervisor. The identification of the utilities was coordinated with Julie Corporation. OHM's safety supervisor would telephone Julie Corporation and notify the organization of OHM's intention to perform work at a given site. Julie Corporation would then issue a "dig number" to OHM and notify all utility companies listed to provide service for the area of concern. Typically, the utility companies would mark the utilities on the site within 48 hours of OHM's initial contact with Julie Corporation.

OHM's subcontractors who performed the transportation of waste and equipment at and through the cities of Madison, Venice, and Granite City, Illinois City obtained required transportation permits.

### 3.2 SAMPLING AND ANALYSIS

The sampling and analysis tasks involved the following items:

- Laboratory confirmation sampling and analysis
- Pre-characterization sampling and analysis
- Backfill sampling

As per the direction of USACE, material at the residential sites exhibiting concentrations of total lead greater than 500 mg/kg were removed and disposed.

#### **3.2.1 Pre-Characterization Sampling and Analysis**

As the project progressed, the need to establish the level of effort anticipated for each upcoming site became much more apparent. The need to pre-characterize each of the remedial locations for establishing reasonable estimates of non-hazardous waste requiring removal was made evident through incorporation into the CDAP. The site pre-characterization sampling and analysis efforts were applied to non-hazardous (stack emission) sites. The primary purpose of the pre-characterization sampling was to confirm presence of non-hazardous waste meeting the action level. The most effective and productive approaches to the pre-characterization sampling and analysis were ultimately developed for the residential lots.

#### **3.2.2 Technical Approach to Stack Emission Lots**

The technical approach to the stack emission lots differed from the residential battery casing cleanups in the respect no confirmation sampling was necessary. The reason for this was due to previous sampling results yielding a pre-determined depth per USEPA. Consequently, yards were excavated to this pre-determined depth. In addition, all waste was shipped out as special-direct to a landfill.

### **3.3 CHEMICAL DATA ACQUISITION PLAN AMENDMENTS/ADJUSTMENTS**

#### **3.3.1 Development of the Sampling for Backfill Material**

An amendment for the sampling and analysis of backfill material was designed to show that incoming backfill material was clean to USEPA standards. This was done as composite samples on every 1000 cubic feet of backfill and run for the following analysis:

- TCLP for Cd, Cr, Pb
- PAH-IEPA Levels
- Pesticides/PCB's
- TPH
- GRO
- DRO
- Total VOC's

### **3.4 TRANSPORTATION AND DISPOSAL**

The T & D of waste removed from the sites included the shipment of non-hazardous waste by Garcia Trucking to Chain of Rocks Landfill/ Milam in Granite City, IL.

#### **3.3.1 Transportation of Waste**

Each site was identified by an address, which was written on the manifest. The site was then assigned a 5-digit manifest document number at the time of shipment. This system ensured the trucks origins were documented.

**3.3.2 Disposal of Wastes**

Disposal characterization of the waste was determined by analyzing composite samples, as described in Section 2.6. Verification of waste characterization was performed at each site through pre-characterization efforts. The characterization of certain waste as non-hazardous was confirmed at each site with the performance of total lead and TCLP lead analysis of composite samples.

The disposal facility subcontracted to provide non-hazardous waste disposal was Chain of Rocks/Milam in Granite City, IL. OHM obtained the approved waste profile by providing analytical that was previously done under Rapid Response Contract.

## **4.0 HEALTH AND SAFETY SUMMARY**

### **4.1 PROJECT SUMMARY AND CONCLUSIONS**

#### **4.1.1 Summary**

The following summarizes the health and safety aspects of this project:

- Task-specific hazard evaluations were performed each day at each work site prior to the start of work
- Air monitoring data was used during this project to verify appropriate personal protection was being used for site conditions. Personnel medical monitoring was performed prior to and at the end of the project to determine lead levels in the blood.
- Perimeter samples indicated total lead concentration below the action limit established in the LSSHP. Although results obtained are "after the fact," no personnel or citizens were at risk to exposure at any time.
- Personnel air sampling data indicated no detectable reading for total lead. There were no recorded cases of personnel overexposure to ambient lead levels.

#### **4.1.2 Conclusions**

Following completion of the project, the OHM Health and Safety Department made the following conclusions:

- The LSSHP was effectively implemented to address the health and safety hazards associated with each phase of site operations and to meet the requirements set forth in 29 CFR 1910.120.
- The existing LSSHP is appropriate for future phases of work at this site involving the same work activities.
- Future work should be performed in Level D PPE with appropriate air monitoring to verify the selection of PPE. An action level of 30mg/m3 should be used to warrant controls. Once monitoring shows consistent reading below the action level, the amount and frequency of air monitoring may be appropriately limited/reduced.
- Special attention should be paid to prevent any recordable accidents and near misses during the course of future work. Routine tasks should be reviewed and evaluated for potential hazards.

### **4.2 SITE SAFETY AND HEALTH PLAN EVALUATION**

A LSSHP was issued before the start of this project to address the health and safety hazards

associated with each phase of site operations. The plan met the requirements of 29 CFR 1910.120. The phases of work addressed in the LSSHPP include the following:

- Mobilization
- Installation of perimeter fence
- Soil sampling
- Excavation of contaminated soil
- Load-out of contaminated soil
- Backfill of excavation
- Restoration of disturbed areas
- Decontamination and demobilization

#### **4.2.1 Provisions**

Once on site, waste materials were designated to be directly loaded into dump trucks.

Provisions were made to address heavy equipment, excavation and other physical hazards. Hazards associated with vehicle and pedestrian traffic in work areas and roadways were controlled by the use of warning signs, Men at Work signs, and road guards to direct traffic.

#### **4.2.2 Personal Protective Equipment**

PPE provisions were made to minimize exposure to lead contamination for personnel on site. Level D PPE included the following:

- Hard hat
- Safety glasses
- Steel-toed leather safety shoes/boots
- Poly tyvek coveralls
- Nylon booties (under) and Robar/Tingley boots (outer)
- Inner sample gloves, outer cloth or leather gloves

An action level of 15.0 mg/m<sup>3</sup> of airborne lead, as determined by integrated sampling, was set by USACE to upgrade the level of PPE to Level C (including use of an air purifying respirator.) Air monitoring was performed for the duration of remedial activities to ensure proper PPE use.

### **4.3 SITE SAFETY**

#### **4.3.1 Accidents**

Employee safety was OHM's first priority. After performing more than 157,454 man hours on this project, OHM personnel suffered no OSHA-recordable accidents or injuries.



### **4.3.2 Preventative Measures**

A number of measures were taken on site to prevent accidents and injuries. Daily safety meetings were held to discuss hazards associated with upcoming work tasks; the use of specific tools and equipment; and other chemical, physical, and environmental hazards associated with site work. Task-specific hazard evaluations were performed each day at the work sites prior to the start of work.

Controls were used to eliminate the hazards associated with vehicle and pedestrian traffic near the work locations. Warning signs were posted and guards were used to direct traffic.

A heat stress prevention program was also instituted on site. Personnel heat stress monitoring was performed to prevent heat related illnesses during work in high ambient temperatures. Site workers' pulses, body temperatures, and blood pressures were taken before and after each break. Work-rest schedules were determined by the results of this monitoring in accordance with the LSSHP heat stress monitoring criteria.

Specific work/rest regimens were established at the start of every work day based on the specific work conditions for that day (temperatures, time of day, amount of sun or shade, etc.) Breaks were taken in shady areas as designated throughout the work shift. Personnel removed PPE and were given cool liquids to drink (e.g., juice, water). Visual observation by a designated safety official was used to identify individuals exhibiting symptoms of heat-related illness and to take the necessary actions.

## **4.4 EXPOSURE MONITORING**

### **4.4.1 Methodology**

Air monitoring was performed to determine the ambient levels of total suspended particulates generated during excavation and to determine total ambient lead exposure for site personnel and perimeter emissions. At the start of each work day, wind direction was used to determine the placement of sampling instruments on site.

Personnel and perimeter samples were taken to determine the levels of total lead in the air of the personal breathing zone and at the site perimeter. Lead samples were collected and analyzed using NIOSH Method 7300 and battery-operated air sampling pumps (Gilliam or equivalent) fitted with 37-millimeter (mm) mixed cellulose ester (MCE) filters (0.8-micron pore diameter).

### **4.4.2 Perimeter Sampling**

Three perimeter samples were taken daily over the course of the work shift. One sample was taken upwind of site operations and two were taken downwind. Perimeter samples were taken above ground levels (approximately 4 to 5 feet in height) to characterize the breathing zone and to prevent contamination due to foot traffic. The pump flowrate was calibrated and set at approximately 20 liters per minute for the duration of the task (about 8 hours.)

Samples were assigned identification numbers based on an established code. The analytical laboratory used was Environmetrics, 11401 Moog Drive, St. Louis, Missouri. Standard turnaround time for

sample results was 24 to 48 hours by facsimile; original data was then returned by mail.

#### **4.4.3 Personnel Sampling**

Personnel air samples for lead were taken for a respective number of employees performing intrusive activities within the exclusion zone (one employee from each job category; at least two employees per day per site). The samples were taken in the person's breathing zone for the duration of the day's shift. Samples were collected at the end of the work day and sent to the analytical laboratory for analysis of total lead. A blank sample was included in shipment.

#### **4.4.4 Medical Monitoring**

Personnel blood lead levels were determined prior to and after the completion of work for this project.

**5.0 QUANTITY SUMMARY TABLE**

Quantities of material were tracked for each lot or site remediated. Table 5.1 presents a summary of these totals.

QUANTITY SUMMARIES

Site Address	Special cu yd	Sod sq yd	CA-6 ton	CA-7 ton	Topsoil cu yd
	119.37	960	46.2	28.84	119.37
	89.12	420	44.75	14.6	14.75
	89.12	420	44.75	14.6	14.75
	301.42	1260			46.15
	319.25	840	54.8	26.7	79.98
	36.35	240	14.65		20.54
	77.70	600	57.95		41.06
	146.82	360	13.79	28.35	104.41
	103.31	420			70.03
	86.65	300	56.48	14.27	34.48
	137.88	360	40.55	26.95	23.37
	146.62	270	86.9	28.5	26.66
	106.55	240	30.05	28.4	13.71
	60.29	180			25.32
	100.40	240	39.6		
	152.97	480	72.35	21.98	47.22
	124.53	420	42.3	21.63	33.35
	50.78	180	12.8	14.07	40.45
	64.76	210	14.65	14.3	31.48
	35.76	150	29.65	31	23.08
	63.92	180	31.15	44.8	39.22
	25.14	120		14.9	21.54
	26.25	120		14.8	9.23
	60.64		32.55	46.7	
	46.68	120	16.45	16.6	12.31
	32.00	452			49.03
	33.64	150	17.5		11.34
	51.28	240	26.3	14.6	27.72
	50.85	240	42.09		59.40
	37.82	240		15.45	34.95
	30.82	180			34.08
	58.43	300	29.05	16.7	12.01

	8.02	360	27.65	29.6	18.35
	34.24	360			59.38
	23.18	120		28.9	47.48
	23.18	120		18.9	47.48
	60.92	510			57.16
	47.88	300		28.3	45.77
	80.47	210	44.7	14.7	45.79
	47.39	240	43.55		12.02
	117.20	360	29.7	13.6	40.16
	118.31	420			57.21
	30.50	120	13.45	14.1	10.78
	94.02	240			11.93
	72.66	420			57.18
	47.75	180			12.31
	29.89	180		15.3	
	123.86	660	76.59		52.57
	32.16	150		17.55	
	39.55	150	74.45	16.25	
	127.22	180	28.35		69.39
	126.71	444	29.3	14.5	116.52
	57.18	317	14.35	13.95	48.67
	96.49	378		13.5	24.52
	64.65	444.5	14.8		57.59
	42.25	190.5			23.35
	229.48	540	76.55	25.35	83.12
	82.88	240	44.4	14.6	32.31
	46.77	360			45.27
	42.31	360	30.5	27.1	
	49.51	300		14.5	
	30.78	60		30.4	13.33
	33.17	420	14.55	14.65	23.65
	31.80	120			23.08
	68.25	180	16.15	12.85	
	46.71	240	14.77	13.8	24.03
	94.72	180	14.65	44.5	47.69
	107.87	189	90.05	27.46	21.08
	145.12	300		55.35	125.38
	118.38	240	45.33	25.55	54.68

	138.04	508	30.55		82.58
	159.33	420	58.9	90.5	24.82
	137.65	283.5	73.09	14.7	36.73
	161.02	120	16.98	34.77	54.33
	218.25	1200	28.15	14.7	74.95
	181.56	477	149.3	13.95	36.55
	126.25	189	83.9	29.15	49.86
	75.35	240	27.3		40.77
	122.98	510			32.91
	89.48	300		12.85	36.55
	75.70	420		15.05	33.89
	111.78	420	15.9		23.07
	96.57	480	14.75		83.78
	47.63	320			39.07
	66.82	420	35.44		51.50
	46.37	180		12.32	
	123.05	180	34.27	19.11	42.60
	69.46	540			
	70.94	360			
	178.88	900		14.9	92.42
	104.49	420	21.82	13.5	21.72
	65.64	180			10.98
	110.88	126	73.8	13.6	
	37.51	252			28.33
	38.96	300			36.46
	60.79	190.5	59.2	15.5	33.92
	126.12	420	15.15	29.8	23.07
	85.12	180	46.75		24.62
	51.30	381			34.41
	95.55	240	54.3	20.15	21.85
	71.80	317.5	13.75		32.95
	86.38	635			34.49
	87.18	300			10.92
	83.60	190.5	73.65	14.05	30.28
	37.95	318	15	15	13.73
	74.04	572			69.44
	243.87	120	220.4		
	81.54	350			34.68

	35.94	180		13.95	
	57.38	420	15.1	15.2	57.55
	55.72	254	14.45	15.2	24.78
	95.18	300			60.26
	55.68	286			47.23
	63.88	390	30.15		11.22
	58.39	480	32.15		34.92
	193.93	480	59.26	15	79.39
	119.75	390			76.59
	152.95	480	83.45		20.11
	53.84	317.5	16.7	15.2	36.61
	300.91	780	70.05	13.25	56.48
	101.58	480	30.9	12.91	30.00
	45.35	254			33.11
	45.36	444.5			46.15
	83.99	180	14.05		11.03
	40.63	240			9.45
	40.25	300			45.34
	27.35	317.5	14.95	14.3	22.42
	32.23	240		13.7	11.25
	42.20	100	72.55		
	99.85	700	53.25		
	49.70	300	29.73		
	43.59	240	29.1		
	66.32	300	29.58	15.27	
	111.37	420	74.65	14.85	
	65.72	240	15.45	14.8	34.94
	114.41	360			
	121.91	210	61.4	27	36.59
	79.15	240	17.3		40.39
	48.85	350	12.55	29.35	12.37
	60.02	434			
	89.81	420	13.5	31.39	56.57
	63.29	600			35.75
	75.15	420	15.8		
	64.45	240	15	15.05	
	69.78	480	27.86		
	92.55	540	15.65	14.85	56.27

	89.67	300	29.65	14.5	29.88
	33.65	240	15	15.05	
	108.07	500	43.77		
	46.90	300	43.77		34.42
	111.87	550	15.85	15.1	
	42.39	420	12.48	14.56	19.35
	39.81	190.5	15.6		31.68
	50.92	360	15.45	15.35	6.15
	88.24	222.5	44.8	14.9	47.82
	112.90	360	14.33		
	23.24	120		14.3	13.19
	115.13	360	28.95		
	52.01	180	23.87		21.55
	47.19	240	14.7		
	53.58	120			
	51.81	360	14.35		23.27
	124.67	120	13.9	13.7	51.68
	82.06	320	29.75		11.58
	64.86	222.5		15.4	12.82
	107.93	180	148.05	31.4	
	88.75	120	88.1	14.15	
	63.72	480			
	25.51	240	13.9	13.2	18.15
	104.69	180	86.74	13.52	
	46.75	180	15.37	13.25	
	60.65	180	29.85	14.75	
	53.23	240	26.85	14.15	
	64.19	420			23.08
	53.82	378	53.2	16	
	55.10	330	14.1		
	50.93	260	34.6		
	102.15	240	15.55		9.17
	96.55	360	59.45	14.55	12.25
	76.68	480	30.95		11.55
	69.27	240	15.1		12.42
	79.23	480	27.55	13.45	
	91.91	300		30.6	35.52
	102.46	480	29.6	13.8	



	28.78	120		14.35	
	74.24	360	38.35	14	
	89.37	420	12.65		
	65.76	378	41.95	12.95	
	49.47	300	58.41		11.07
	48.89	300	26.5	14.4	
	127.06	400		13.75	20.05
	131.88	360		13.75	34.04
	74.92	360	14.95		22.12
	48.71	180			23.01
	94.38	360		14.85	34.42
	40.04	120	13.3		
	67.95	180	15.35	29.3	23.54
	284.94	1260	14.8	15.05	41.72
	52.79	300	43.6	26.5	24.12
	41.22	180			24.63
	34.84	240			26.86
	53.38	240			21.90
	20.99	210			11.37
	131.53	450	59.3	14.9	11.69
	189.40	952.5			56.76
	118.01	540			58.17
	26.88	127		15.1	12.08
	29.47	254			38.12
	194.72	347	74.55	14.9	83.48
	75.55	120		13.9	26.52
	117.64	317.5	43.95	14.45	37.14
	47.32	159		14.95	11.79
	92.17	300	11.95	14.65	25.32
	96.50	635			104.62
	48.63	254			25.04
	35.73	441		13.5	40.00
	26.59	127		14.25	23.64
	335.79	1323		43.4	183.03
	204.97	850.5		28.45	271.45
	79.72	220.5	13.95	13.95	23.74
	98.74	346.5	40.8		23.74
	83.47	381		49.75	38.37

	67.15	381		31.9	49.43
	68.54	360		28.75	54.18
	100.05	540		13.2	38.74
	35.78	157.5		29.5	22.69
	16.62	60	14.95		
	189.72	30	358.75		11.54
	58.58	180	10.92		11.91
	45.90	180			
	27.23	63	10.92		
	249.69	945	14.69	58.66	93.35
	122.98	444.5	14.8		36.62
	140.36	190.5	153.2	14	41.28
	74.90	300			11.62
	47.22	180	16.4	13.85	16.38
	41.24	423		15.15	12.12
	43.28	164	30.15	45.65	11.05
	150.12	63	104.97	73.4	9.23
	80.42	60	15.25	30.25	
	96.57	360	71.85		
	101.93	180	70.4	13.1	
	91.05	420			
	36.39	180	41.7		
	48.75	480	43.8	16.9	
	72.50	310	60.85	14.2	
	130.37	300	13.6	27.65	
	49.62	180	43.45	13.85	
	50.88	360	29.2	14.2	
	64.99	300			
	160.73	1140		14.6	108.32
	78.13	420	13.4	23.95	38.48
	152.45	660	61.7	51.8	54.86
	58.76	180			28.13
	50.95	180	15.3		38.93
	88.62	540			44.89
	71.04	300			33.78
	41.85	180			
	59.79	300		14.1	22.50
	86.11	120	28.1	14.2	

	28.82	240	13.1		19.54
	163.05	315		29.1	
	102.63	420	29.05	14.35	22.30
	97.19	300	73.21		58.01
	43.35	420			24.51
	161.67	360	117.03	31.4	10.23
	156.80	900		15.2	55.06
	42.13	240	14.59	13.1	
	19.45	120			
	86.93	240	82.9	13.35	16.79
	52.71	240		31.7	23.58
	51.62	360	29.41		
	25.63	180			
	92.32	360		12.85	67.65
	191.80	1200	28.15		
	149.15	420		14.1	13.91
	83.22	700		7.5	
	44.87	180	58.05	12.85	10.71
	137.43	81	91.66		21.59
	58.39	240			24.02
	64.87	300			
	114.18	600			18.84
	145.75	900	25.35		21.54
	120.40	300	13.2		33.65
	155.65	420	70.24	30.22	
	275.60	780		15.45	
	62.92	540	13.45	13.8	47.42
	41.16	300	13.9		
	65.94	480			22.48
	95.61	300	44.85	15.3	22.34
	102.88	506			
	97.34	667	14.5	13.55	66.88
	62.47	120	29.9	15.3	16.25
	113.52	480		14.75	40.36
	130.02	600			56.28
	30.42	32	29.5	14.8	12.08
	77.97	60	44.5		9.35
	52.60	360			23.02

	92.53	600	16.05		52.23
	89.72	360		15.6	39.56
	44.10	480			37.34
	70.72	360		14.25	49.45
	83.67	540	14.65	13.25	21.85
	163.90	157.5	57.2	41.3	25.31
	251.45	504	87.3	43.5	105.32
	62.10	190.5	29	14.15	35.78
	91.71	252	15.2	13.9	45.67
	87.73	540	15.85	14.8	22.47
	57.75	360		35.35	25.31
	55.74	420		7.95	36.15
	63.55	360			20.42
	57.04	240	14.6		11.55
	44.56	300	14.5	15.05	12.90
	36.74	240		14.25	11.74
	88.24	240		14.65	51.02
	139.20	603	28.1	14.2	29.82
	95.58	189	73.7		26.09
	108.92	254	14.65	15.9	23.68
	66.08	254	44.74	16.4	14.46
	67.22	222	13.95	26	12.88
	26.67	222			25.38
	54.97	254		28.05	47.39
	36.04	286		14.35	47.58
	59.42	180		14.9	23.85
	33.19	300	14	13.05	10.24
	65.25	381		14.25	40.69
	116.68	560	14.7	14.55	23.52
	61.12	480	14.85	14.9	23.38
	87.07	570	17.1		32.85
	138.58	317.5	72.7	14.66	26.46
	79.80	360	26.85		33.08
	52.05	420		14.35	9.90
	67.62	300	14.85		21.24
	40.84	240			10.78
	41.07	240			12.00
	43.04	330			11.48

	105.38	150	40.4	13.5	12.18
	93.08	240	60.6	14.4	21.59
	78.62	240	69.74	14.8	20.79
	43.23	180		12.45	42.08
	26.04	180	13.8	13.65	21.73
	99.32	270	14.95	27.3	42.58
	140.03	240	91.05	89.55	24.35
	135.85	254	43.52	15.64	51.42
	24.24	95	17.65		26.00
	21.49	63.5			
	18.75	95	32.25		13.85
	34.82	127	15.9		
	46.52	360		14.8	21.39
	61.32	420	66.8	14.9	
	183.12	240	88.6	13.9	41.77
	306.46	60	507.75	58.85	12.31
	261.01	300	79.6	16.8	
	250.16	60	317.1	29.9	
	35.58	120			
	205.52		259.45	90.55	
	78.85		120.3	60.65	
	130.51	360	57.65	14.3	25.35
	216.50	189	239.02	26.22	20.17
	68.07	480	46.6		36.92
	153.53	252	63.1	14.05	35.32
	86.68	220.5	28.5	70.84	54.49
	38.49	120	12.52	13.59	
	63.36	381		12.14	35.05
	180.50	540	28		53.44
	67.98	189	28.7	13.8	10.99
	186.42	409.5	87.6	14.55	63.52
	158.61	189	325.5	15	11.54
	90.70	285.5	29.65		28.56
	49.44	63	14.5	13.8	35.66
	191.59	840	13.95		82.91
	52.92	472.5			44.55
	117.09	317.5	15	29.6	41.60
	53.21	360	13.55		11.90

83.66	254	15.55		35.25
141.47	420			32.55
46.01	420	12.75		45.37
52.46	286		29.35	51.28
57.09	508			76.68
44.52	381		14.85	53.84
42.85	190.5		15.2	36.18
199.41	693	28.85	15.2	71.98
87.14	480	27.94	14.7	
140.64	540	36.88	7.5	
91.48	600	32.45		
72.12	480	30.15		
149.87	660	26.6	29.05	79.89
81.57	508	27.55	13.9	39.92
62.04	240			12.27
245.41	700	118.2		63.30
222.07	1620	102.5	28.05	180.46
229.71	1920			
394.43	1080	28.2		156.02
84.12	378	44.2	14.8	38.62
386.50	4740	40.7		412.37
77.82	315	15.45	29	35.75
128.56	126	166.22	62.57	23.32
162.43	507	33.15	13.6	111.28
96.36			14.35	105.08
79.95	441	29.05	30.7	70.55
155.97	600			38.36
47.78	344			60.63
135.60	375	96.45	50.5	56.92
25.11	159	15.45	15.15	46.43
122.31	315	100.86		67.74
33.02	150		28.45	11.62
59.09		75.2		
67.74	720	44.65	13.7	
16.83	127			10.91
71.43	378		12.83	11.11
117.27	252	15.37	13.6	45.68
138.80	698.5	18.7	15.35	46.65

	109.22	381	14.95	13.6	28.37
	55.26	94	30.6		
	55.66	188	14.9	41.91	10.77
	73.14	189			46.15
	56.28	190.5	15.05	15.55	11.69
	82.18	159	18.7	15.35	46.65
	317.66	990		13.85	216.56
	49.99	120	14.7		11.94
	219.76	180	177.92		12.02
	137.55	444.5	14.6	30.4	135.72
	124.82	819		15.15	19.75
	113.32	480	14.85		
	123.64	360	120.02		54.62
	160.70	381	81.65	14.35	22.54
	114.11	420	30.45	14.2	12.53
	70.40	420	29.95	14.4	10.53
	50.73	420			10.57
	336.42	1920	42.3	16.3	88.20
	180.39	360	82.37		21.86
	172.12	420	92.1	32.15	92.99
	33.44	240		15.1	12.46
	25.35	120			13.31
	146.70	360	44.15	14.85	40.65
	71.65	189	29.15	30.3	34.24
	211.52		268.65	30.3	
	266.93		174.9	30.3	
	185.40		221.05		
	102.05	31.5	133.2		3.08
	65.87		97.15	69.5	
	64.23		85.55	27.8	
	111.55		164		
	109.94	420	57.4	27.45	17.34
	164.45	1200	21.85		
	79.57	420			
	94.92	240	27.7	13.9	
	76.36	300			9.34
	61.73	360	42.7		6.15
	31.25	180	15.23		

	103.95	540	44	15.1	
	191.02	420	14.15	15.05	
	52.38	180	26.4	14.15	
	34.78	240	14.2		
	80.93	180	13.05	15.25	
	58.98	360	14.65		
	50.47	480	28.25	12.4	
	116.52	300			
	56.35	120		13.1	
	12.99	180			23.65
	19.92	240			56.68
	68.02	450	29.1	15	
	78.04	504	14.95		
	67.05	189	28.75	12.6	
	29.96	240	15.5		
	26.58	180	15.1	13.9	
	35.91	180			12.48
	88.46	540			38.87
	172.48	800			95.38
	229.05	540	31.65	15.55	349.75
	76.92	190.5	49.05	15.1	25.09
	72.55	159	31.85		34.79
	17.48	126			
	61.18	180	13.15		26.49
	38.30	240	12.15		18.10
	123.90	283.5	13.95	27.7	62.38
	201.25	1079.5		40.2	197.93
	142.83	378	35.6	29.75	41.95
	43.70	180		29.75	9.83
	95.74	254	43.75	15.35	13.40
	102.93	252	30.36	29.75	22.63
	58.40	222	43.35	14.05	13.69
	59.75	240	15.4	15.25	13.92
	55.20	240	14.25		15.32
	25.40	60			4.38
	56.87	300	14.26		25.08
	47.74	150	31.9	15.65	10.98
	117.78	330	74.26		45.04



	56.98	320		14.05	24.22
	82.38	300		14.6	
	46.78	360	13.95	12.55	
	234.97	889	29.05		165.61
	43.45	120	35.15		21.45
	61.39	190.5	31.85		13.45
	126.86	570	43.32		12.15
	136.00	254	57.95	59.35	94.80
	38.10	180	41.5	14.15	
	26.95	60	32.85	15	
	43.11	120	15	13.45	
	32.69	60	29.5	16.85	
	<b>Total:</b>	<b>45278.42</b>	<b>175405.00</b>	<b>15194.36</b>	<b>6127.98</b>
					<b>14865.06</b>

## **6.0 VERIFICATION ANALYTICAL SUMMARY TABLE**

### **6.1 Stack Emission Sites**

Stack emission sites were not sampled for verification. This was due to the fact that a predetermined depth for excavation was given to OHM by USACE for each stack emission site.

Stack emission sites are sampled for pre-characterization analysis. Depth's from Woodward/Clyde Sampling are being reviewed by the USEPA and may result in re-sampling.

## **7.0 PHOTO REPRESENTATION**

Photographs and videocassettes documented all sites in all phases of the Granite City project. Each property was documented with before, during, and after photographs and videos. The following sections are representative of the various types of work performed during Phases 1, 2, and 3. Not all properties - only selected representative samples - are presented in this final report, in order to minimize the volume of paper.

### **2222 Cleveland (Page 7-2)**

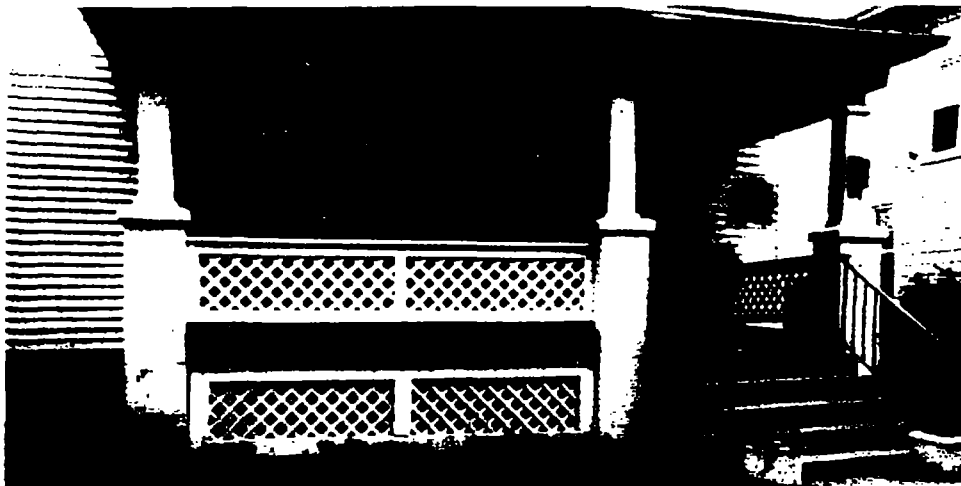
Top picture - Lot before excavation  
Middle picture - Lot during excavation  
Bottom picture - Lot after restoration/sod

### **1703 Elizabeth (Page 7-3)**

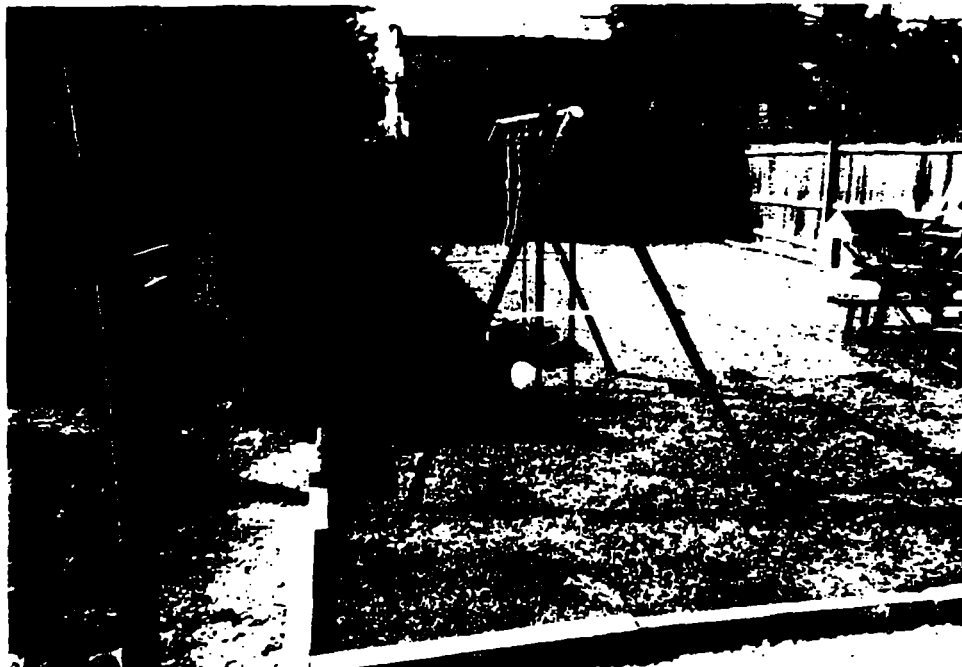
Top picture - Lot before excavation  
Middle picture - Lot during excavation  
Bottom picture - Lot after restoration/sod

### **1231 Iowa (Page 7-4)**

Top picture - Lot before excavation  
Middle picture - Lot during excavation  
Bottom picture - Lot after restoration/sod





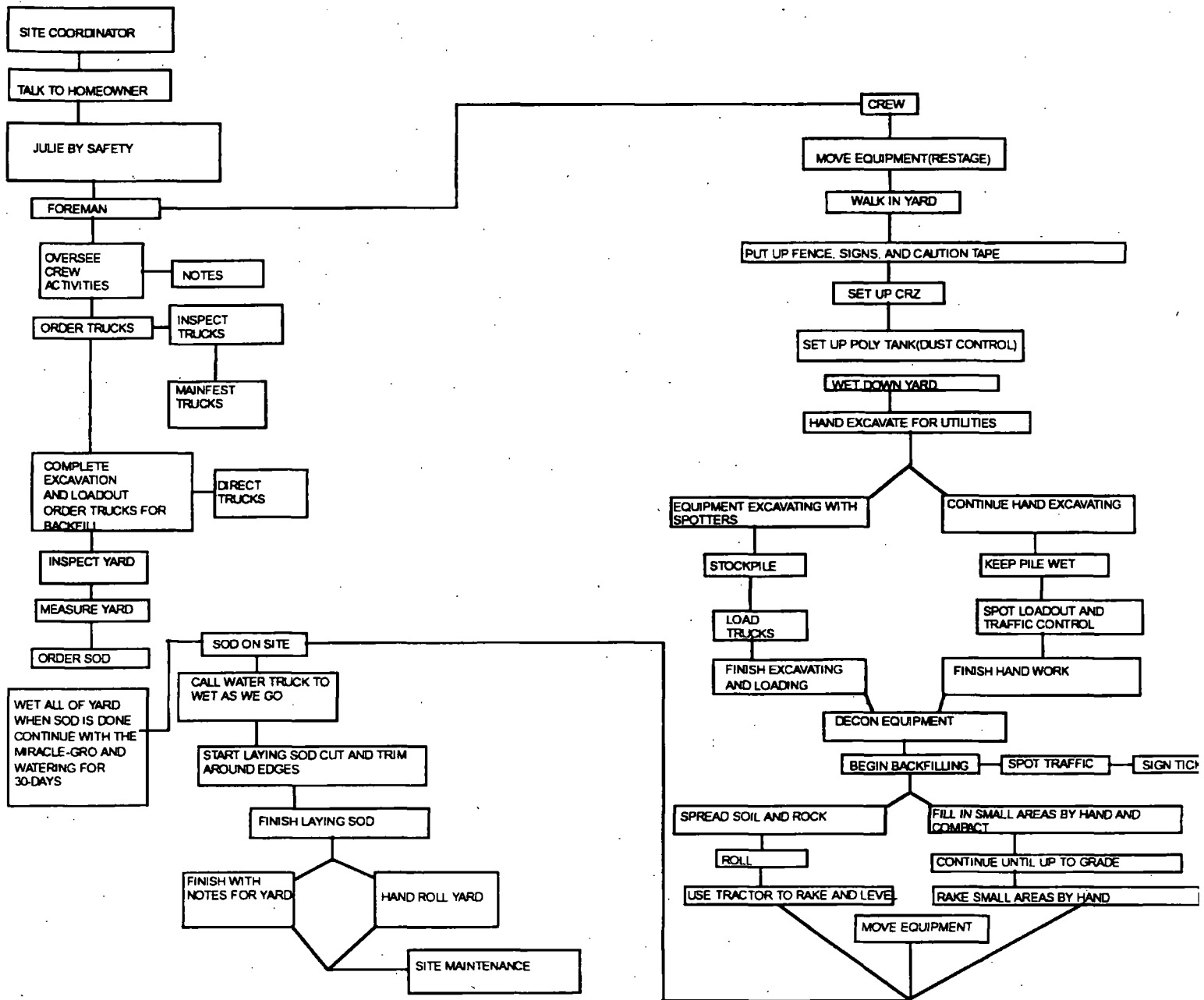


**APPENDIX A**

**FLOW CHARTS**

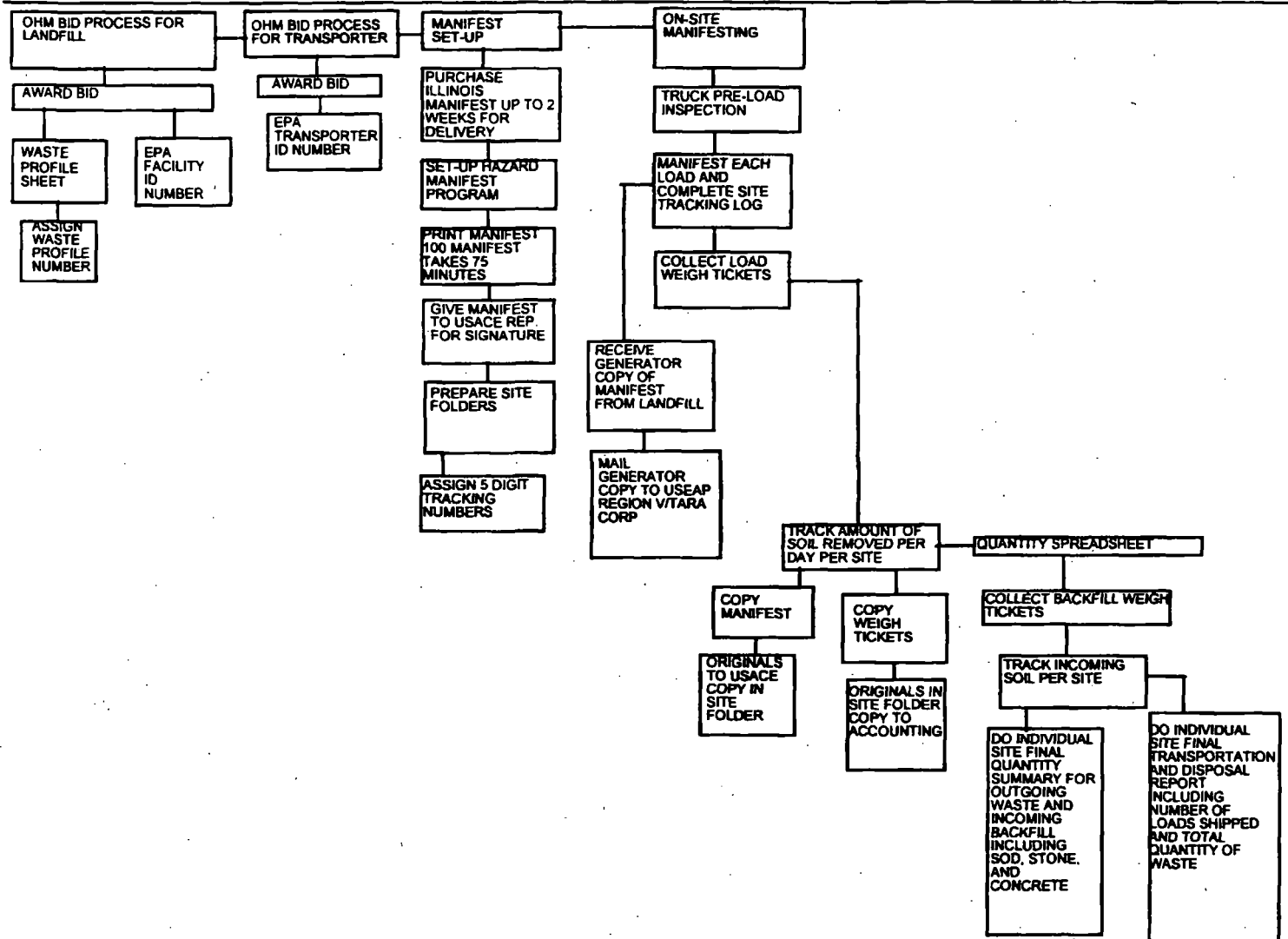
<b>APPENDIX A-1</b>	<b>OPERATIONS FLOW CHART</b>
<b>APPENDIX A-2</b>	<b>TECHNICAL EFFORT FOR TRANSPORTATION AND DISPOSAL</b>
<b>APPENDIX A-3</b>	<b>TECHNICAL EFFORT FOR SAMPLING</b>
<b>APPENDIX A-4</b>	<b>SITE COORDINATOR FLOW CHART</b>

# OPERATIONS FLOW CHART

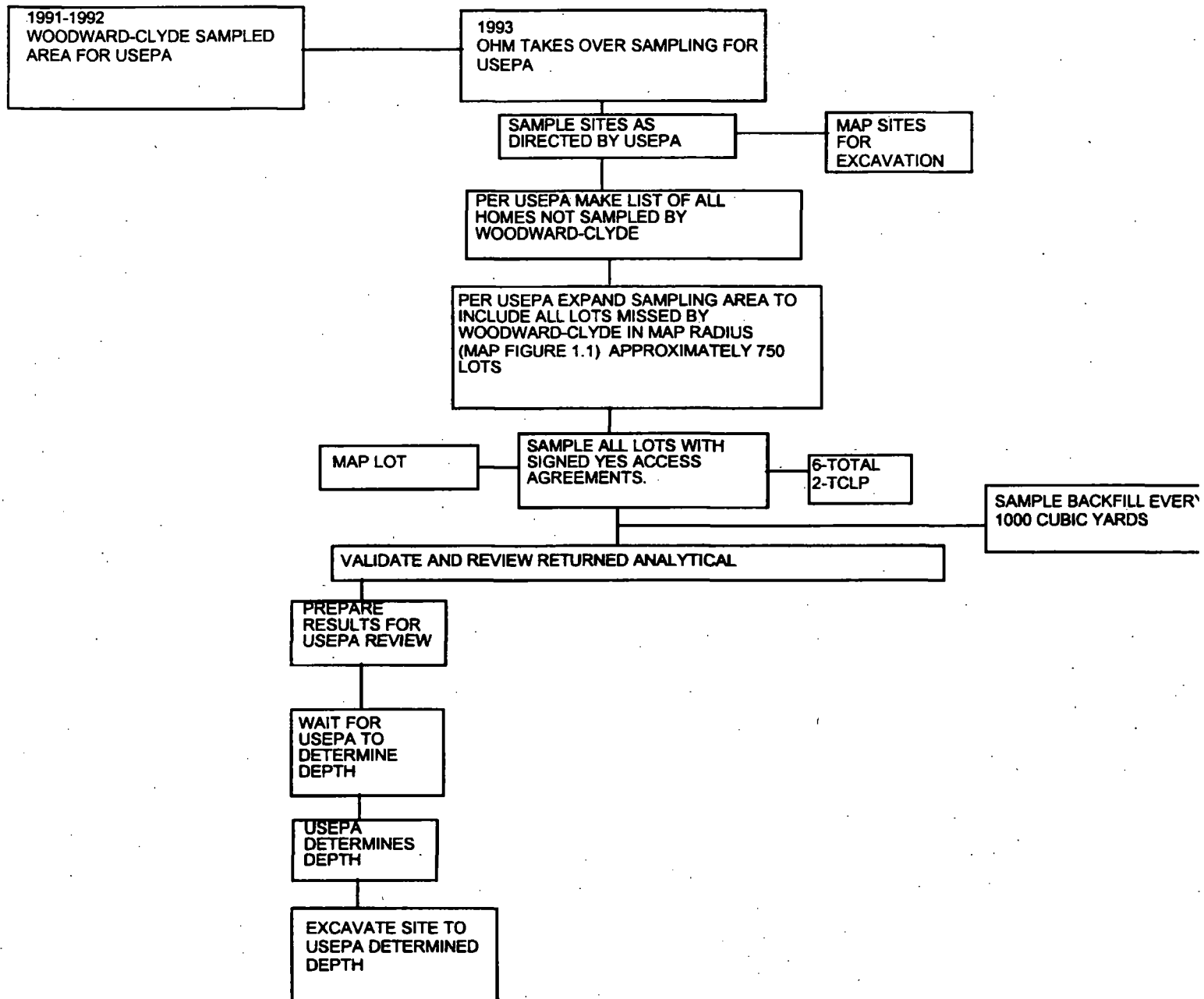




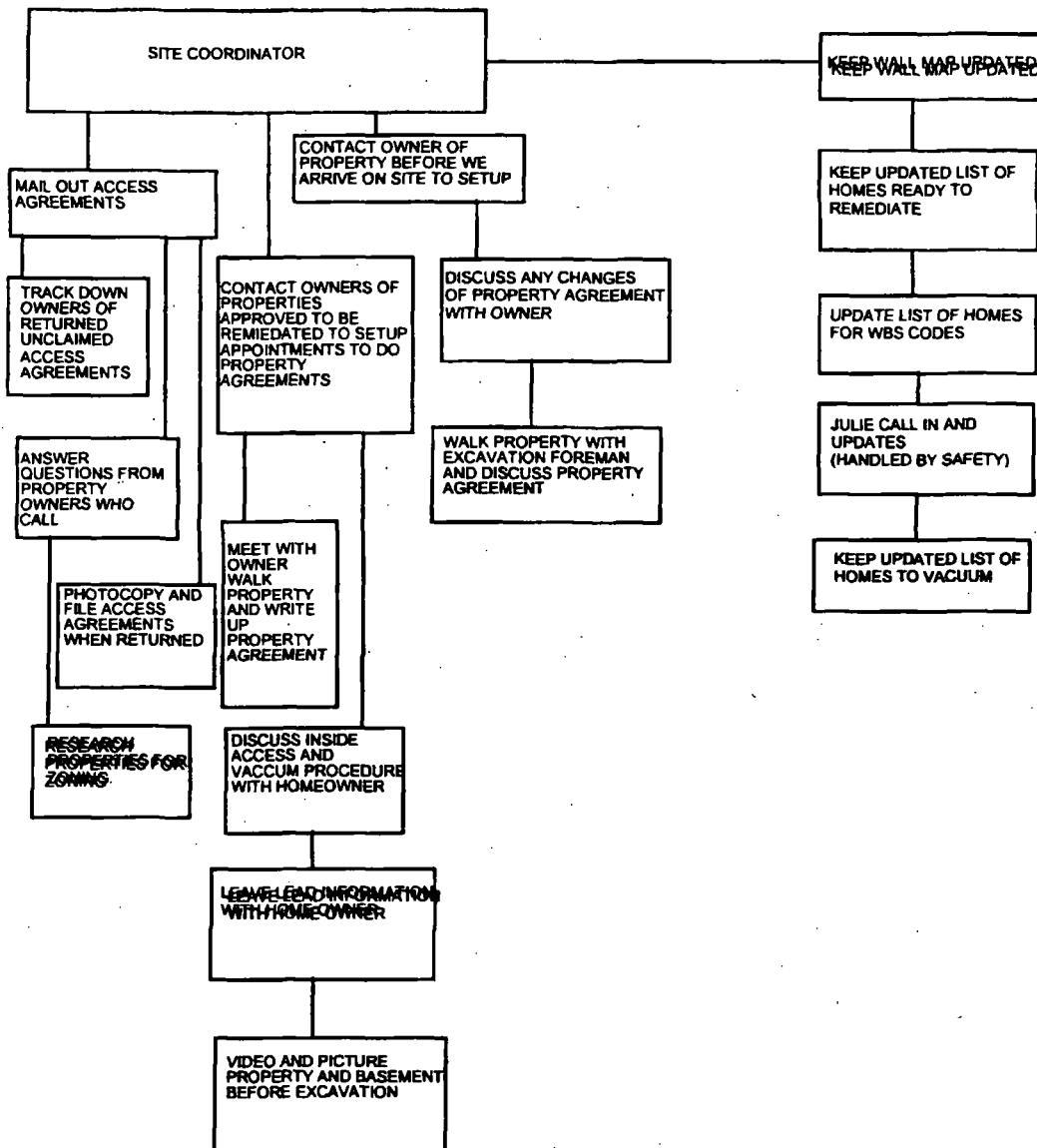
# TECHNICAL EFFORT FOR TRANSPORTATION AND DISPOSAL



# TECHNICAL EFFORT FOR SAMPLING



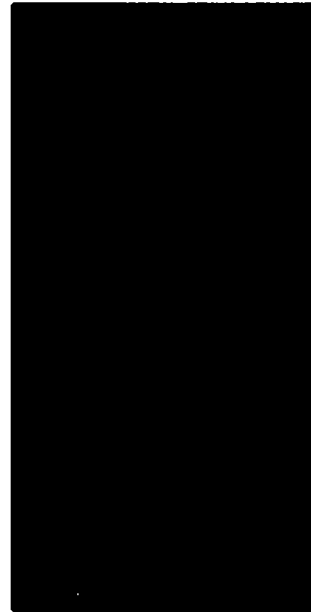
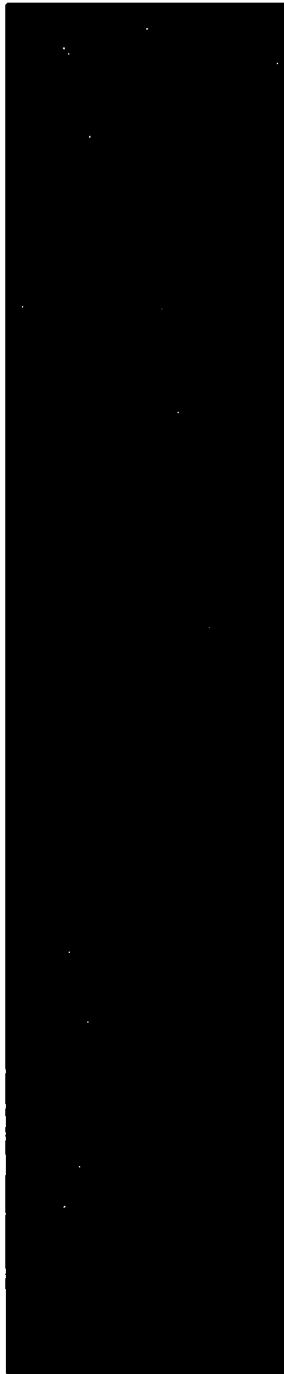
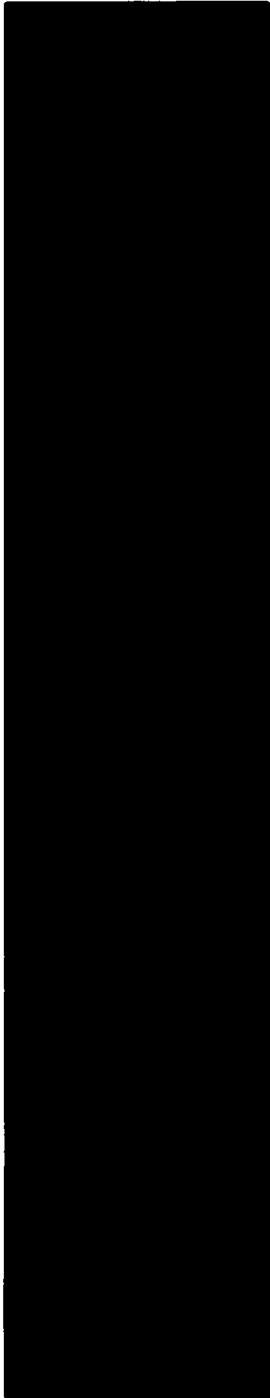
**TAI  
PRI  
OF**



APPENDIX B - REMEDIAL LOCATION WORK DESCRIPTIONS

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**APPENDIX B - REMEDIAL LOCATION WORK DESCRIPTIONS**



Action Date: 6/24/97

Loadout: 6/25/97

Restoration Begins: 6/26/97

Restoration Completed: 7/12/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 113.96 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Keeven sod farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR

(

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
155.18		268.27	46.2	28.84		960	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

[REDACTED]

590 580

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

418 63

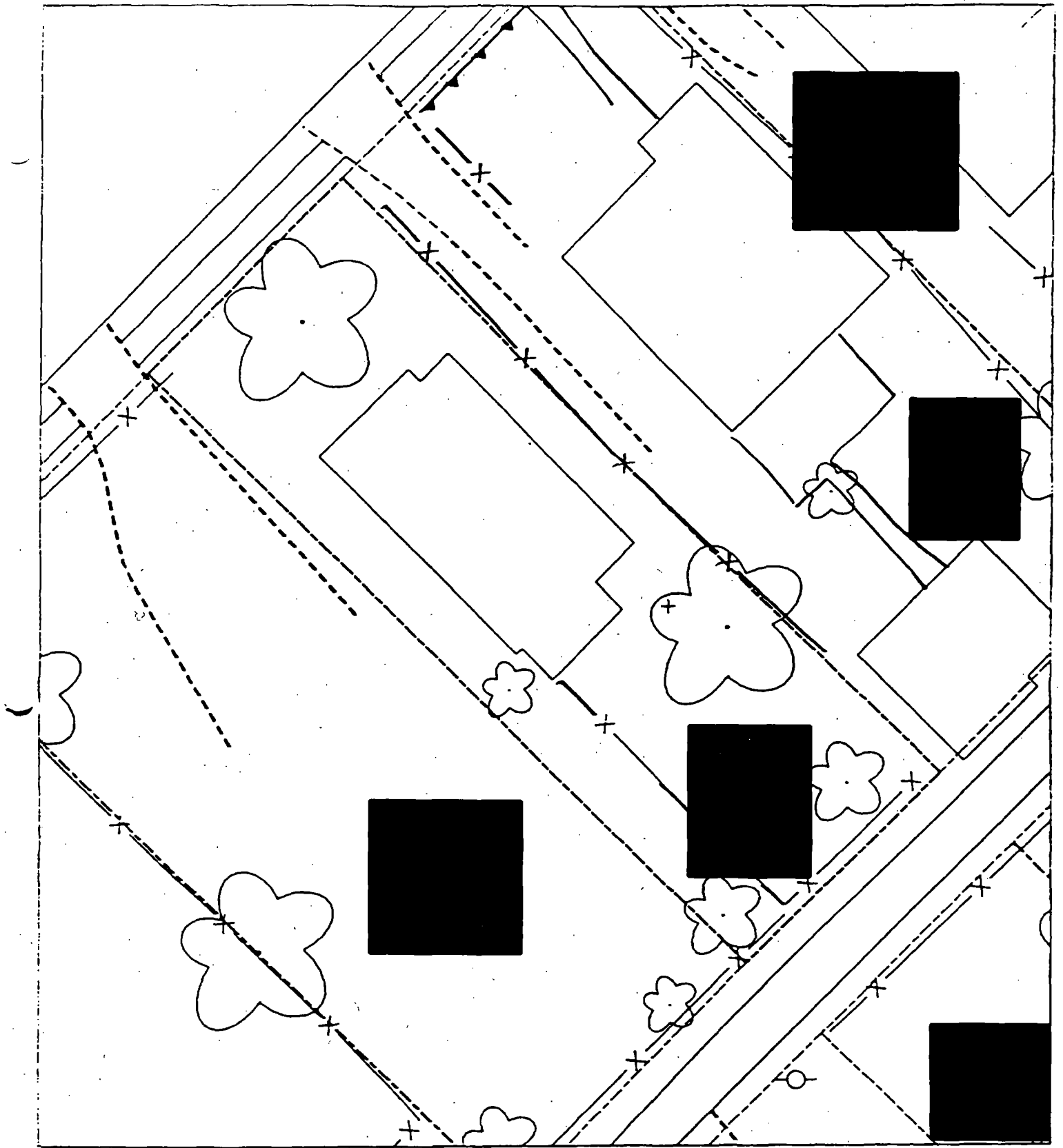
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

193 40

I
E
(







Action Date: 12/8/97

Loadout: 12/8/97

Restoration Begins: 12/11/97

Restoration Completed: 12/19/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 101.13 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
115.86	6	19.18	44.75	14.6		420	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 635 1223

3 - 6" Front and Back

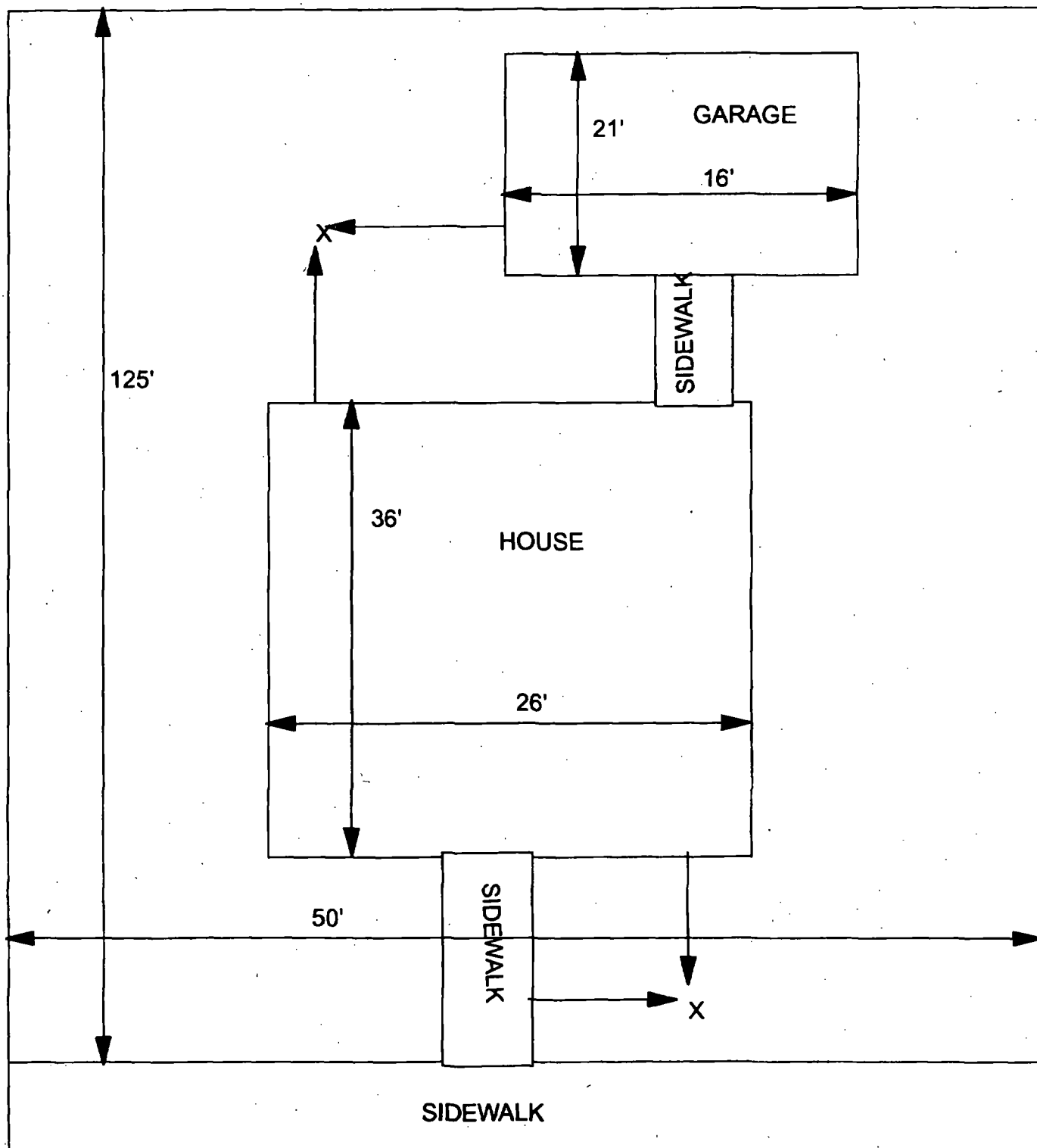
B	B	B
PPM	PPM	PPM
No.	No.	No.

460 582

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

286 549  
97 324  
85 848



X = SAMPLE POINT

50' X 125'

**OHM Corporation**  
Findlay, Ohio

Drawn By: <b>EDJ</b>	Checked By:
Date: <b>7/29/98</b>	Approved By:
Scale: <b>NTS</b>	Drawing No:



Action Date: 7/17/97

Loadout: 7/17/97

Restoration Begins: 7/21/97

Restoration Completed: 8/4/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 89.12 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
115.86	6	19.18	44.75	14.6		420	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

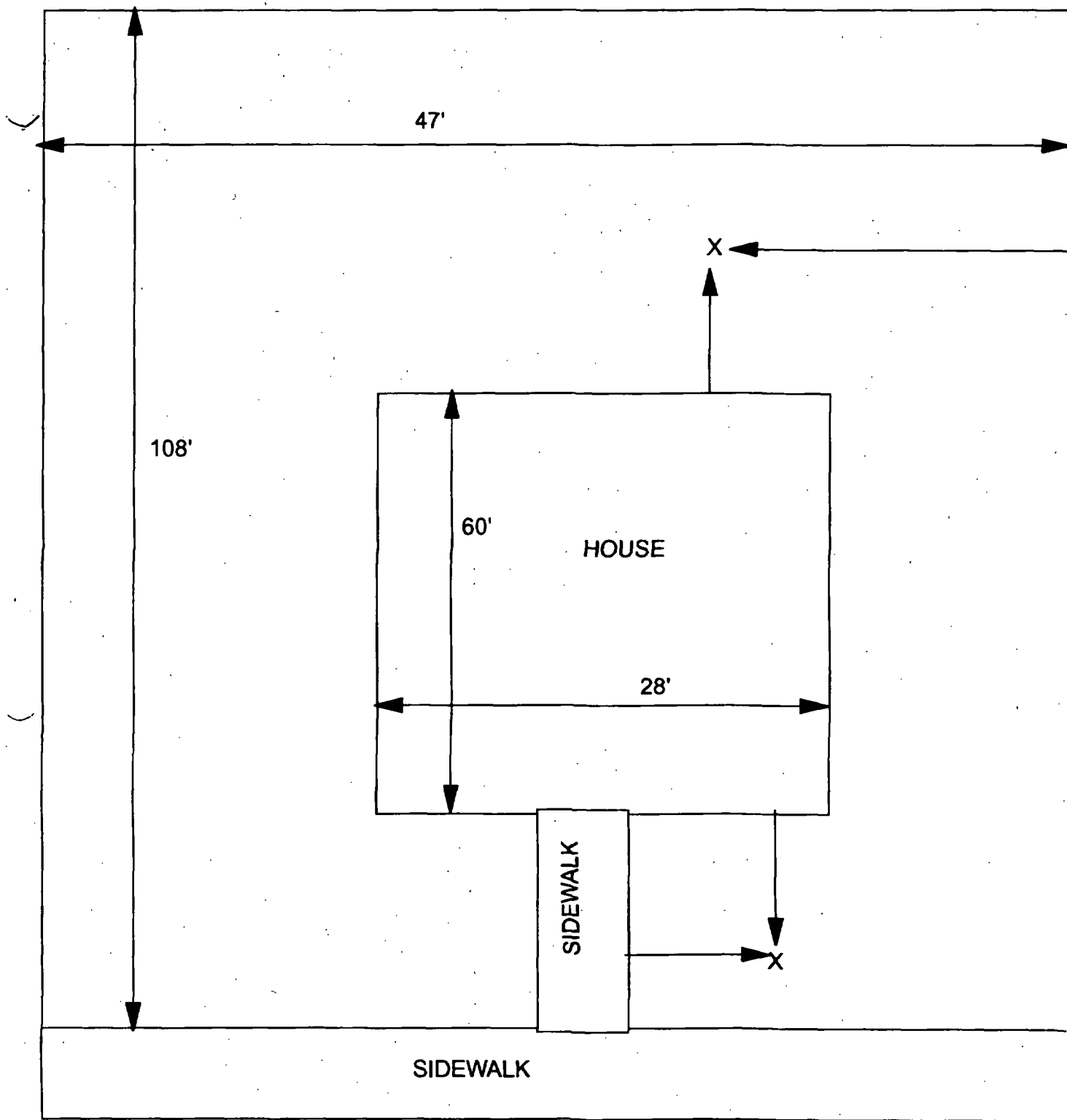


1999-1-1  
 530 353  
 361 600



558 280  
 259 577

915 25  
 145 223  
 324 349





X = SAMPLE POINT

 47' X 108'	 <b>OHM Corporation</b> Findlay Ohio	
	Drawn By: EDJ	Checked By:
	Date: 7/29/98	Approved By:
	Scale: NTS	Drawing No:



Action Date: 4/21/98

Loadout: 4/24/98

Restoration Begins: 4/24/98

Restoration Completed: 5/14/98

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 301.14 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Schneider-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
391.84	35	60				1260	

**Sampling Analysis  
Project #19531**

**Street/Number  
Address**



**0 - 3" Front and Back**

<b>A</b>	<b>A</b>	<b>A</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

264	227	
160	750	
193	774	

**3-6" Front and Back**

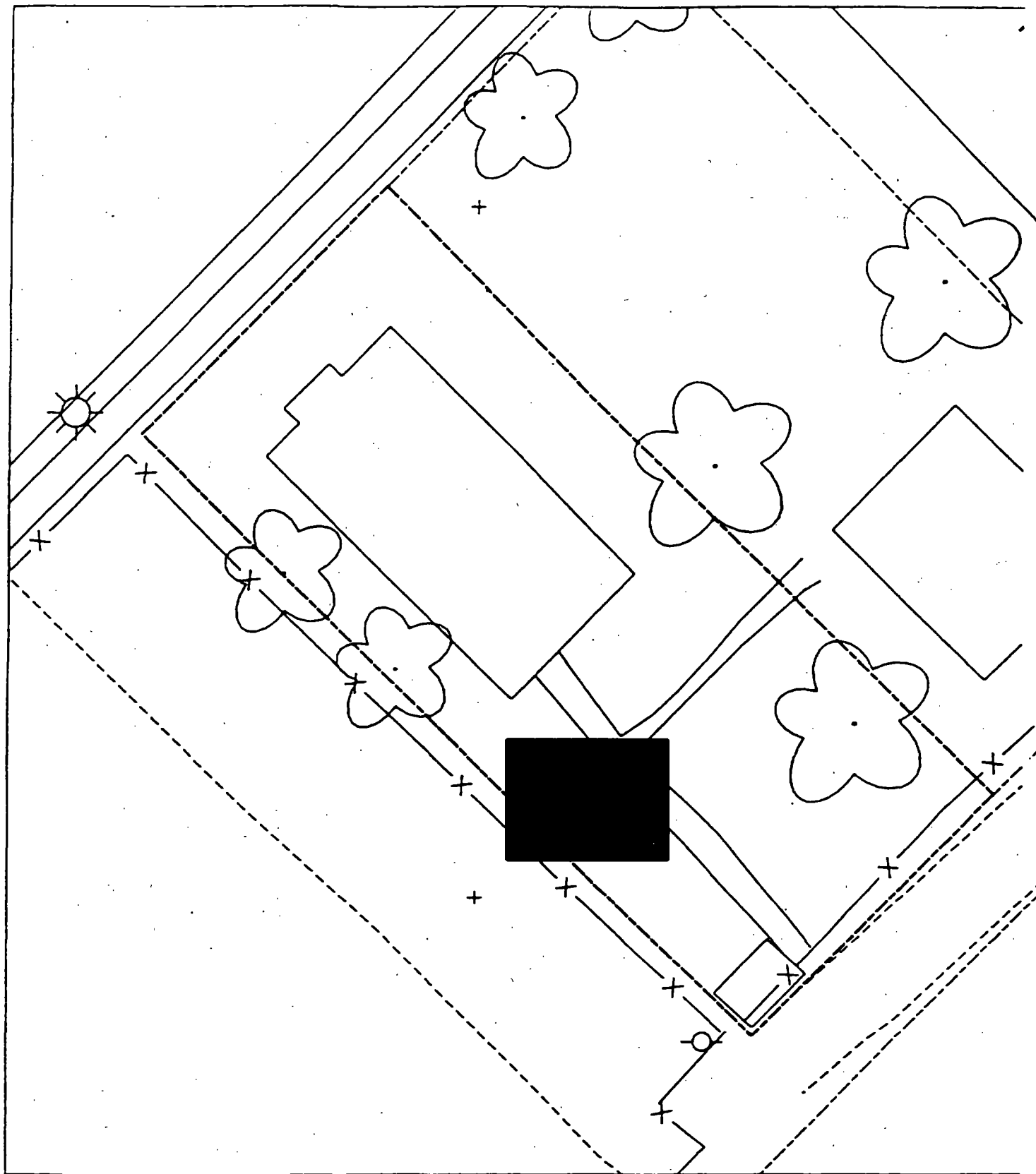
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

223	217	
133	8398	
191	668	

**6-12" Front and Back**

<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>

183	119
87	7043
158	536



[REDACTED]

Action Date: 10/16/97

Loadout: 10/20/97

Restoration Begins: 10/20/97

Restoration Completed: 11/4/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 319.25 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
415.03	15	103.98	54.8	26.7		840	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 **586**     **872**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

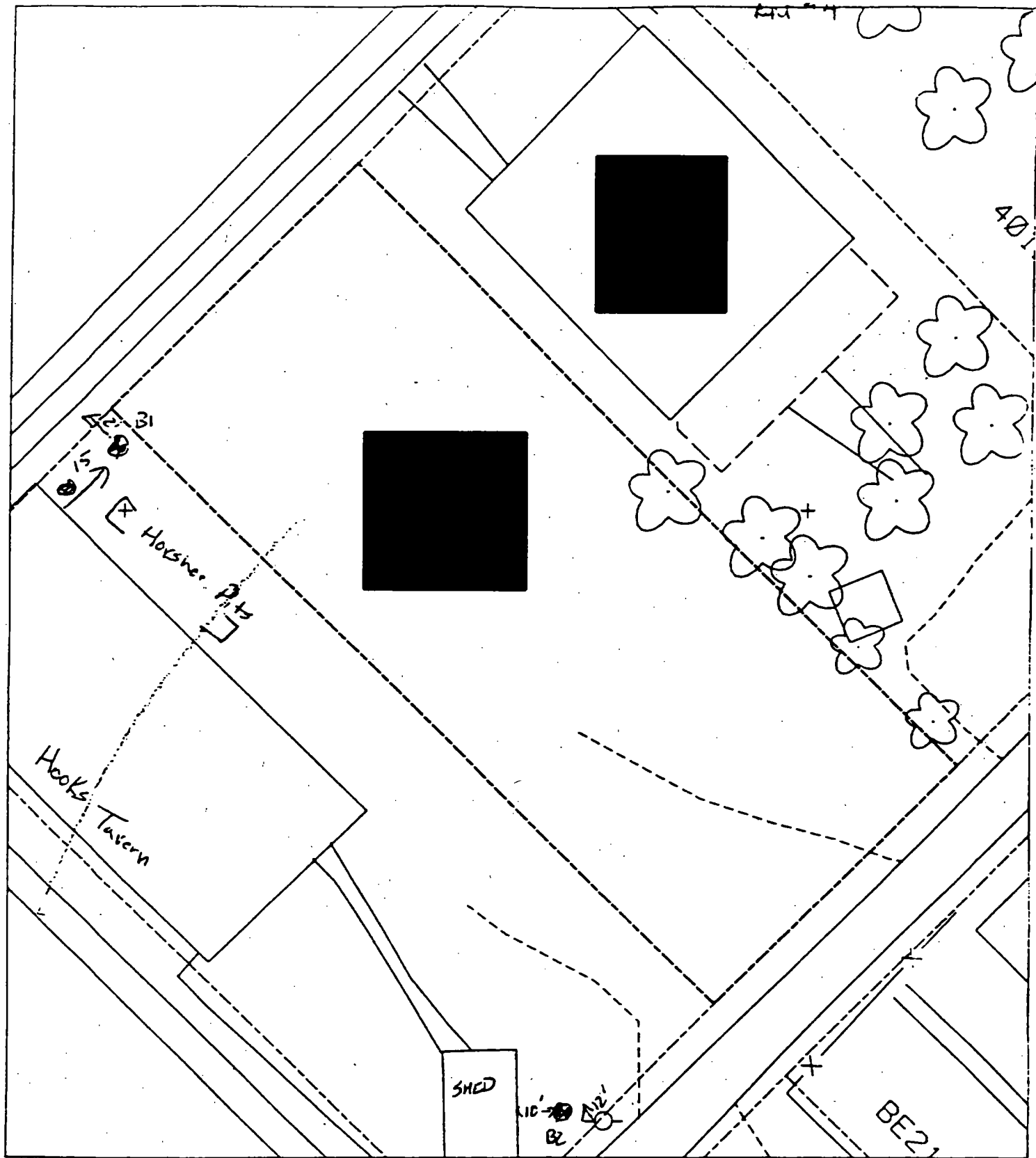
**436**     **882**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**236**     **843**  
**519**     **65**





B1 15' from bar  
12' from sidewalk

✓ B2 10' from shed  
12' from PP



Action Date: 9/16/97

— Loadout: 9/18/97

Restoration Begins: 9/23/97

Restoration Completed: 10/8/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 36.34 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
47.25		26.7	14.65			240	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

0100110 A-1 135  
 538 471

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

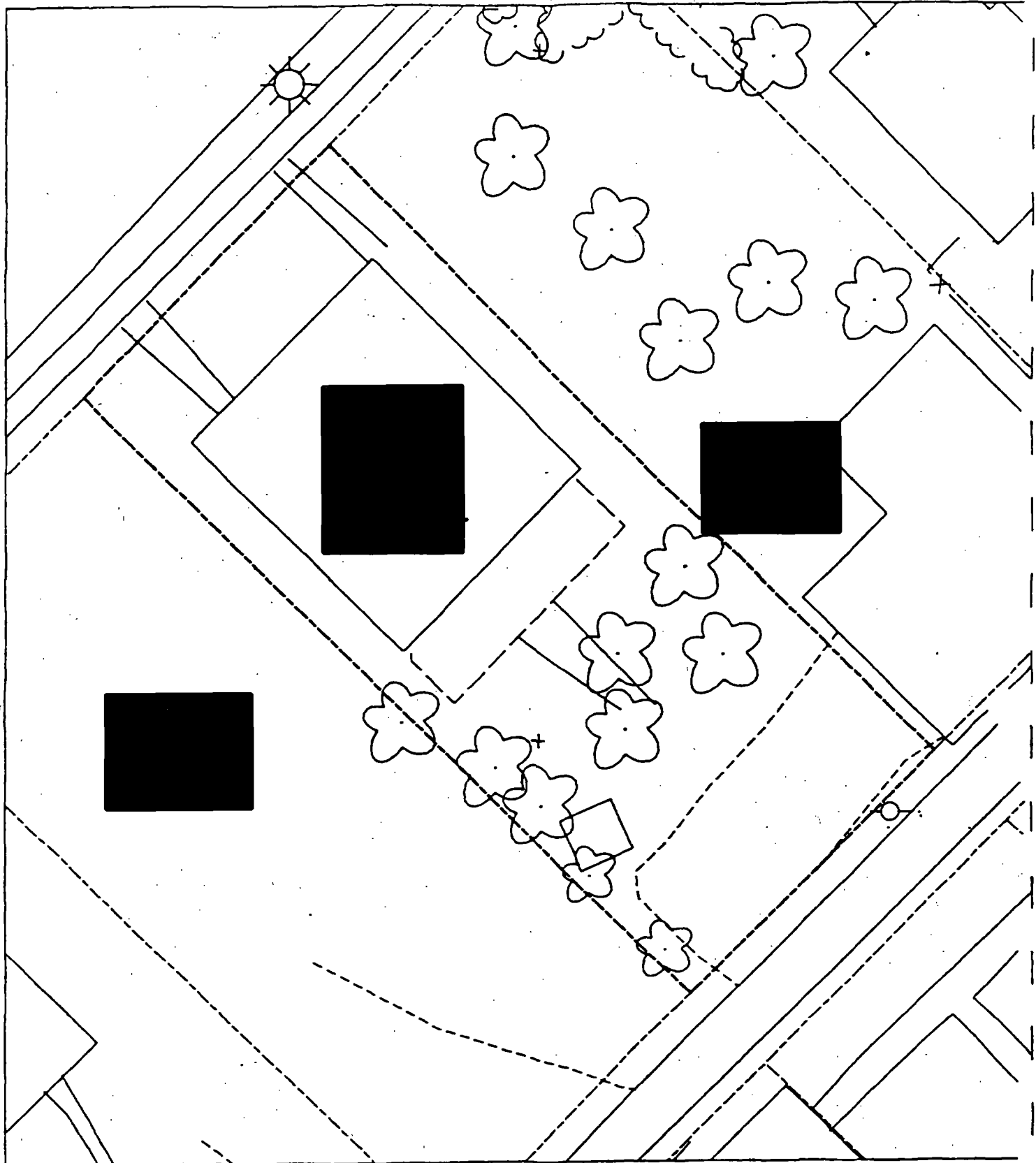
182  
 245 208

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

97  
 99 108

I
E
(



[REDACTED]

Action Date: 9/18/97

Loadout: 9/20/97

Restoration Begins: 9/20/97

Restoration Completed: 10/8/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 77.70 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
101.01	5	53.38	57.95			600	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



**268      914**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

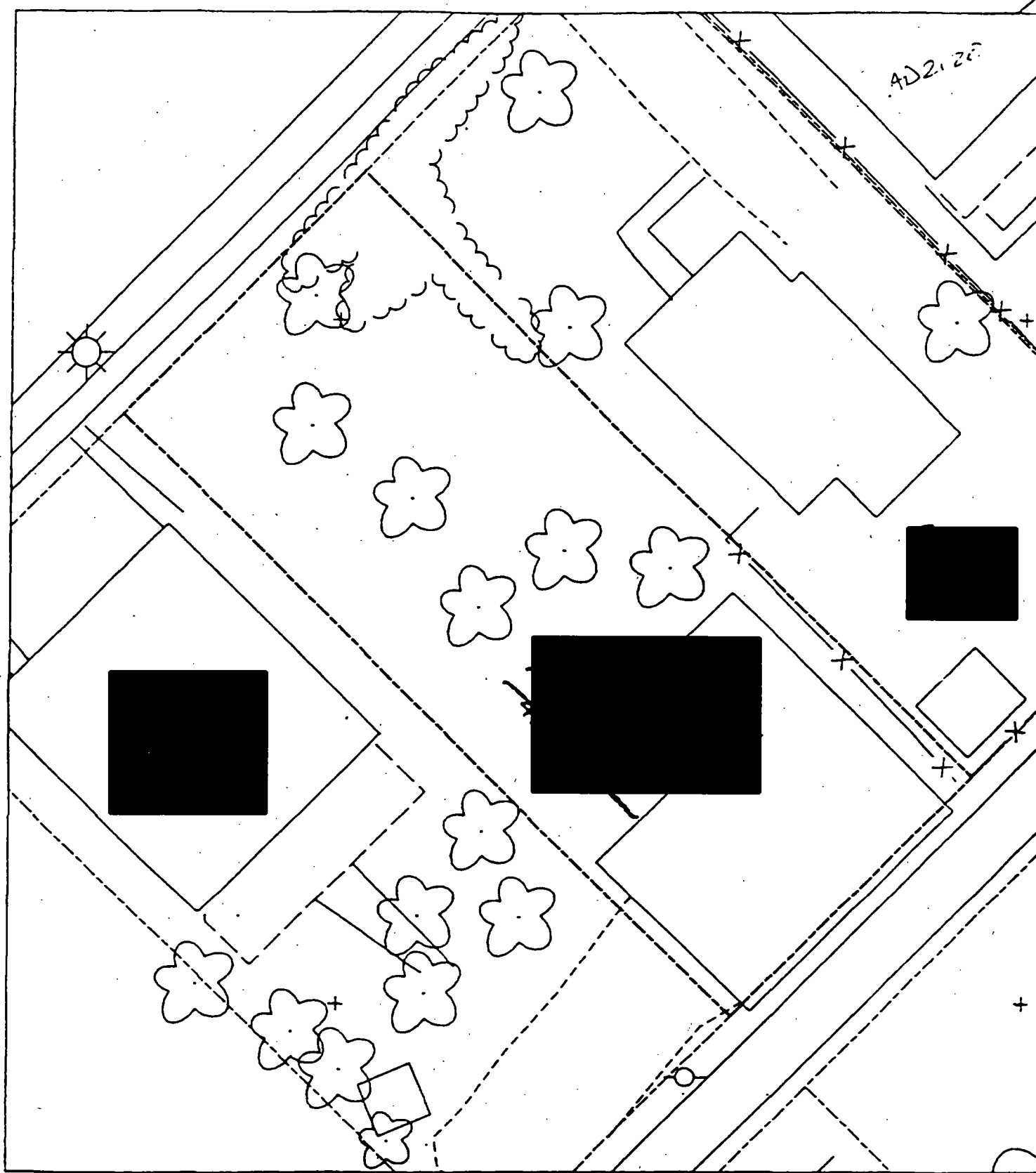
**198      670**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**29      634**





AD 2128

AD 116 19-13-20-401-013 WTBO  
 E 1240 401-011 LOT 322  
 401-010 LOT 33 No sheet



Action Date: 9/24/97

Loadout: 9/26/97

Restoration Begins: 9/26/97

Restoration Completed: 10/8/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 146.81 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
190.86	26	135.73	13.79	28.35		360	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 241 339

3 - 6" Front and Back

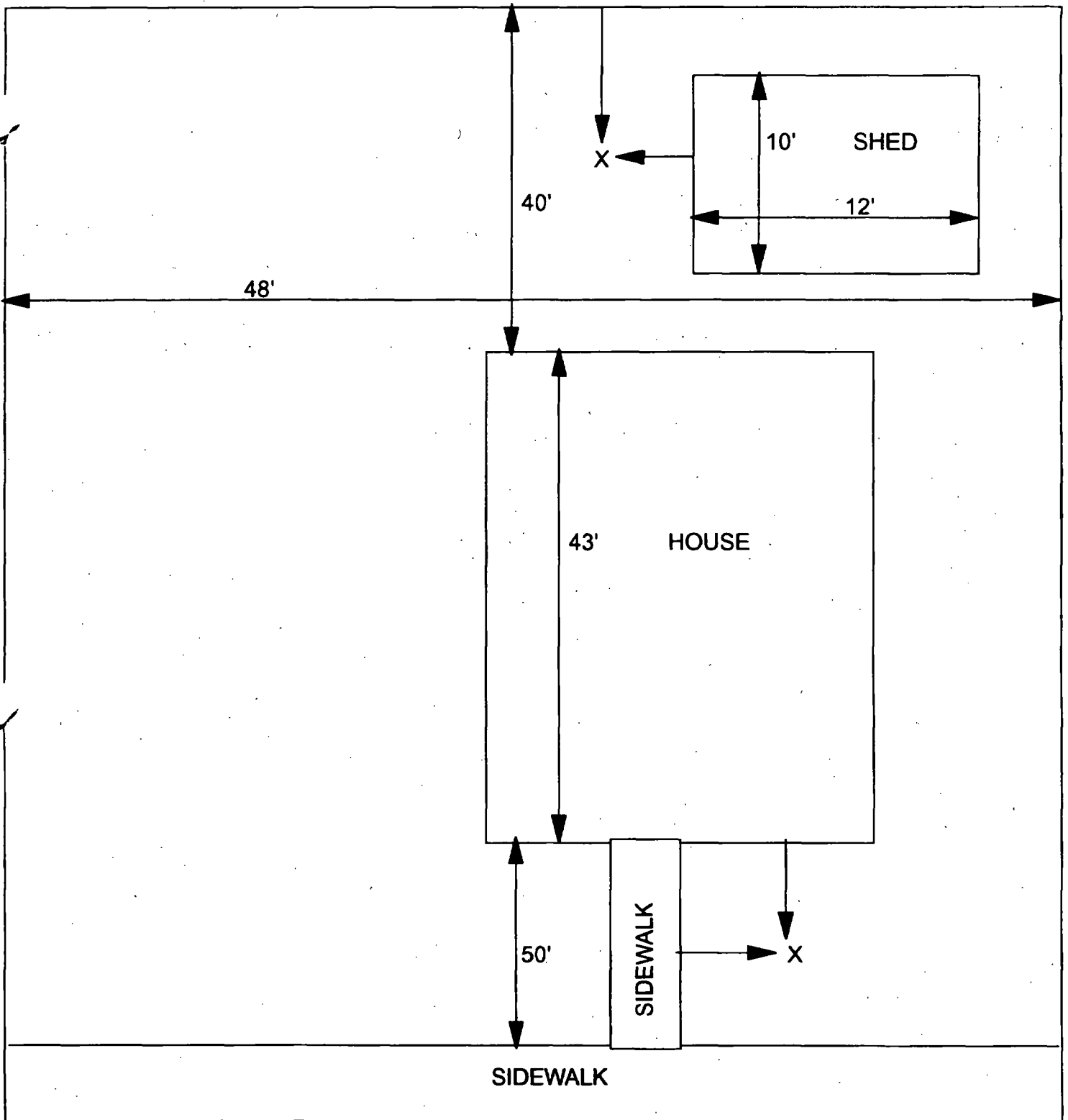
B	B	B
PPM	PPM	PPM
No.	No.	No.

240 184

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

154 637  
239 2031



X = SAMPLE POINT

48' X 133'

**OHM Corporation**  
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:



Action Date: 4/17/97

Loadout: 4/17/97

Restoration Begins: 4/18/97

Restoration Completed: 5/14/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 103.30 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
134.3	8	91.04				420	



**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

639 715 1020

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

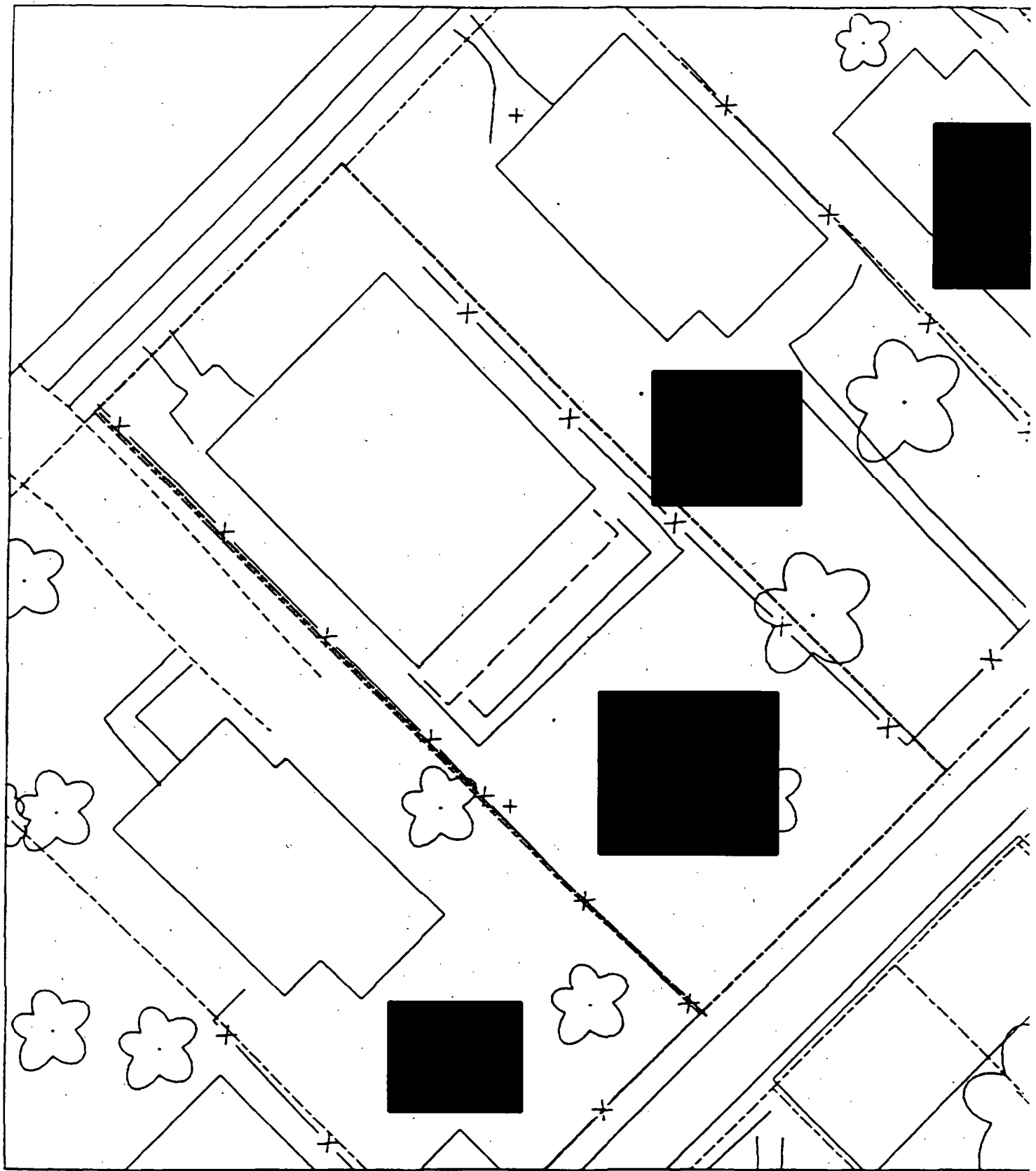
465 496 1080

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

454 717 436

I





Action Date: 4/28/97

— Loadout: 4/29/97

Restoration Begins: 4/30/97

Restoration Completed: 5/15/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 86.65 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD. CU.YDS.	CONCF
112.65	7	44.82	56.48	14.27		300	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 547 2650

3 - 6" Front and Back

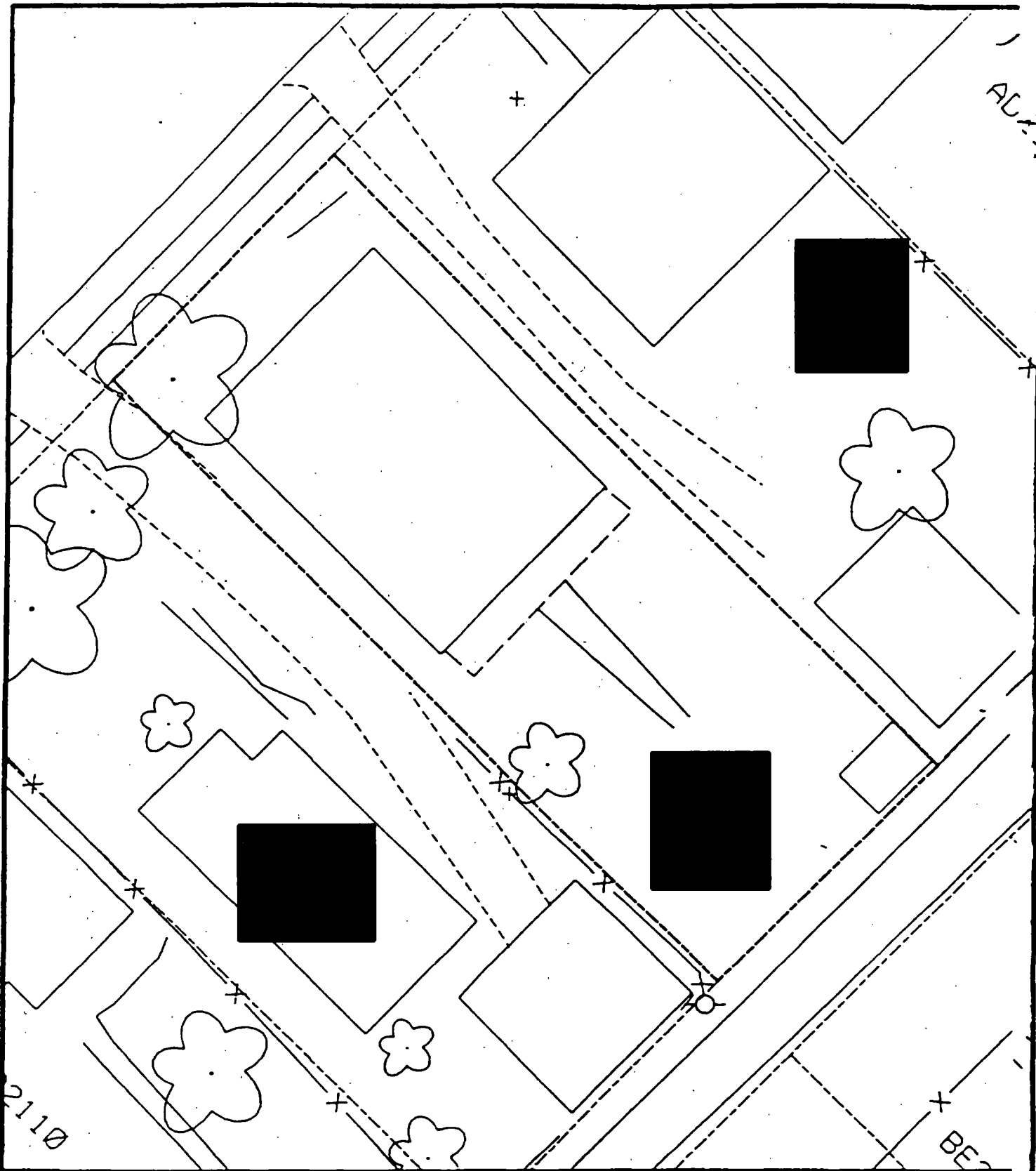
B	B	B
PPM	PPM	PPM
No.	No.	No.

434 454  
 623 1405

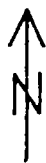
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

535 152  
 488 1071



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MC114'

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.



Action Date: 10/11/97

Loadout: 10/15/97

Restoration Begins: 10/15/97

Restoration Completed: 10/22/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 137.88 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm



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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR

2144/46 ADAMS

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
179.25	10	30.38	40.55	26.95		360	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

246     **556**  
 3000   **1010**

**3 - 6" Front and Back**

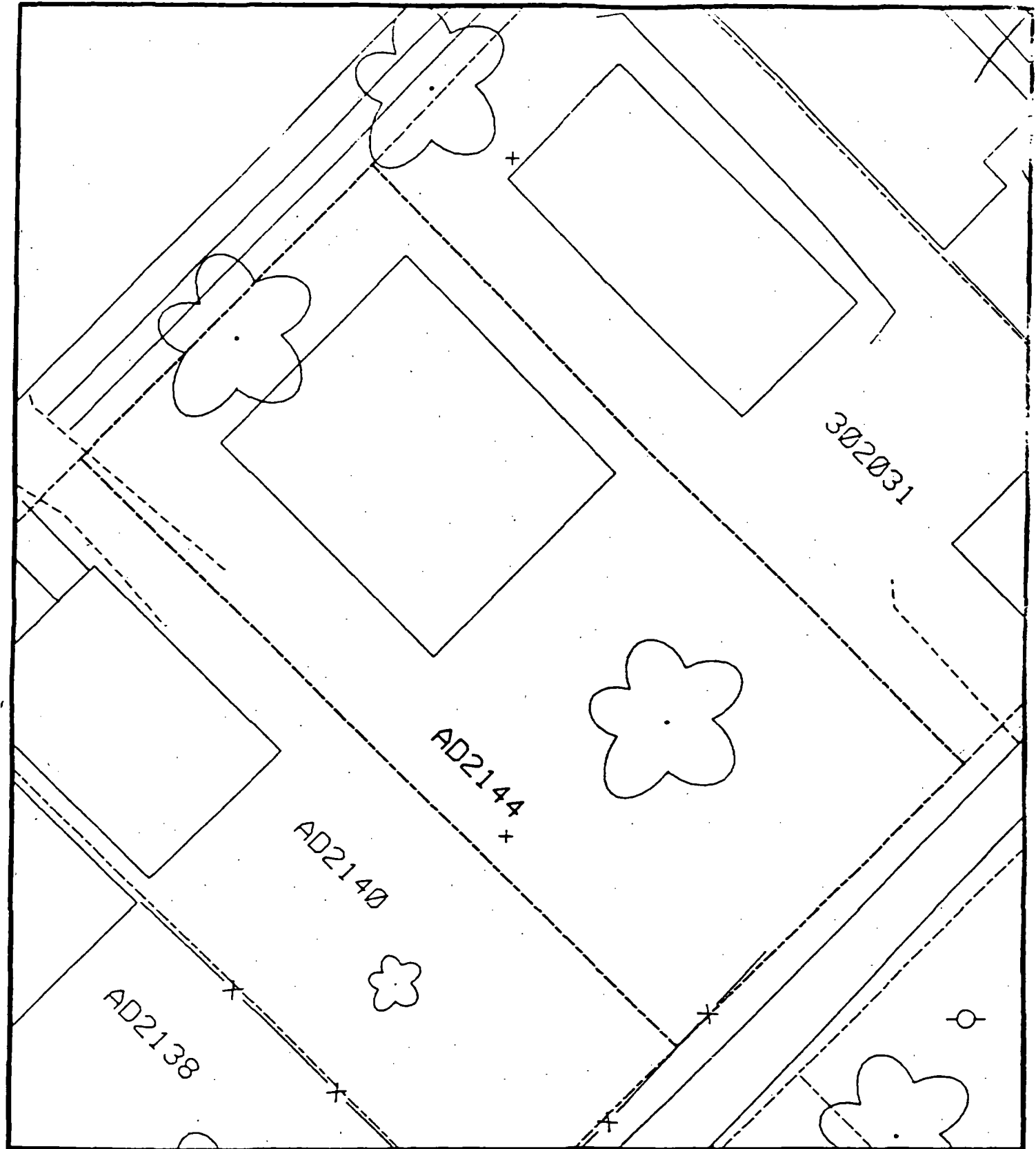
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

126     **606**  
 248     221  
 238     262

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

99     **506**  
 110    101  
 175    **529**



Comments: \_\_\_\_\_



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4V

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:





Action Date: 5/15/97

Loadout: 5/16/97

Restoration Begins: 5/19/97

Restoration Completed: 6/2/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 146.62 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL	TOPSOIL	CA-6	CA-7	SAND	SOD	CONCI
(TONS)	(LOADS)	(TONS)	(TONS)	(TONS)	(TONS)	CU.YDS.	
190.61	3	34.66	86.9	28.5		270	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 **529 1460**

**3 - 6" Front and Back**

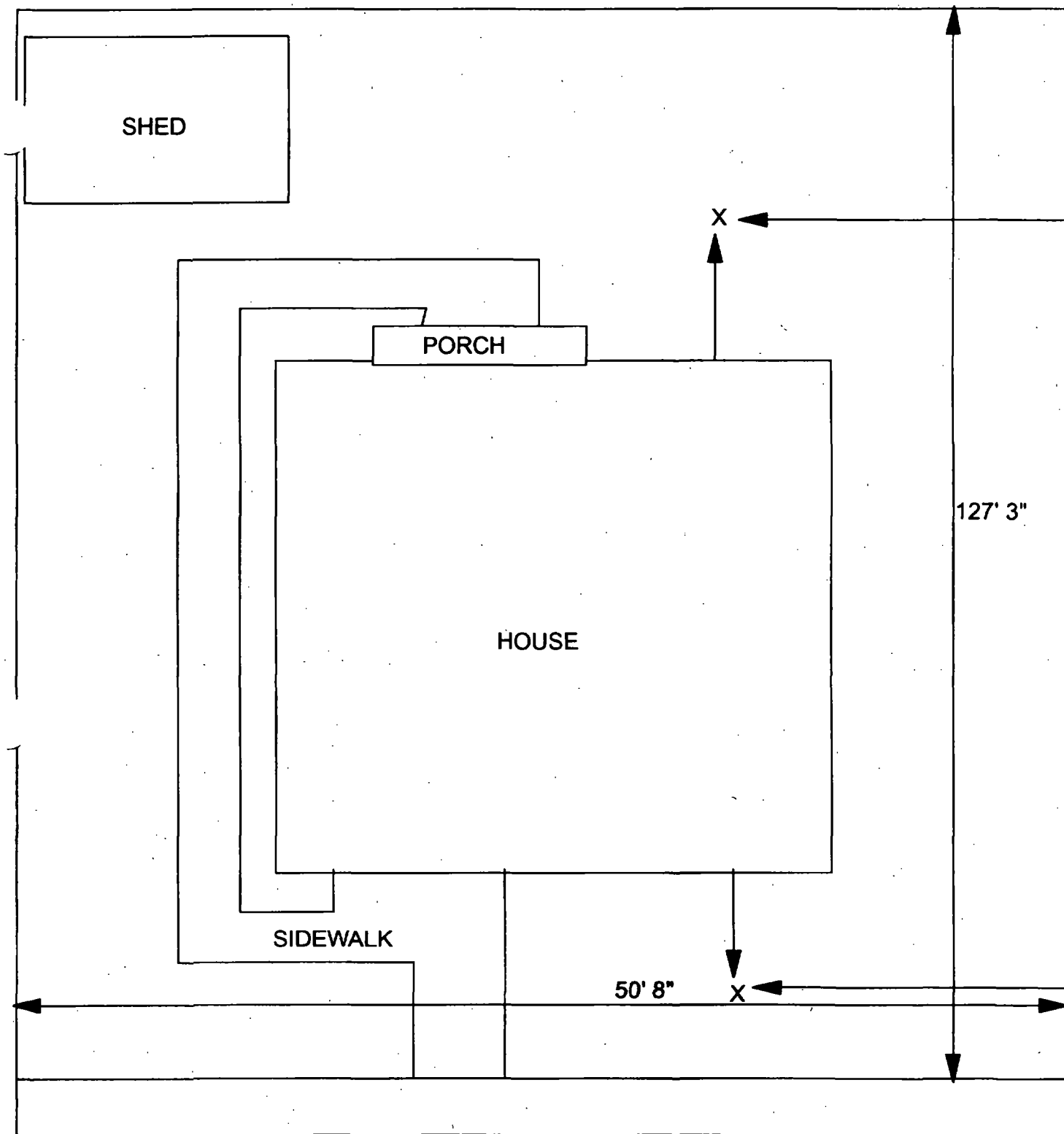
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**269 1250**  
**234 240**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**68 1290**  
**313 5109**



X = SAMPLE POINT

  
50' 8" X 127' 3"

**OHM**   
**Corporation**  
Findlay, Ohio

Drawn By: **EDJ**

Checked By:

Date:  
7/29/98

Approved By:

Scale: **NTS**

Drawing No:



  
Action Date: 10/22/97

Loadout: 10/27/97

Restoration Begins: 10/27/97

Restoration Completed: 11/10/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 106.55 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
138.52	8	17.82	30.05	28.4		240	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



546 461

3 - 6" Front and Back

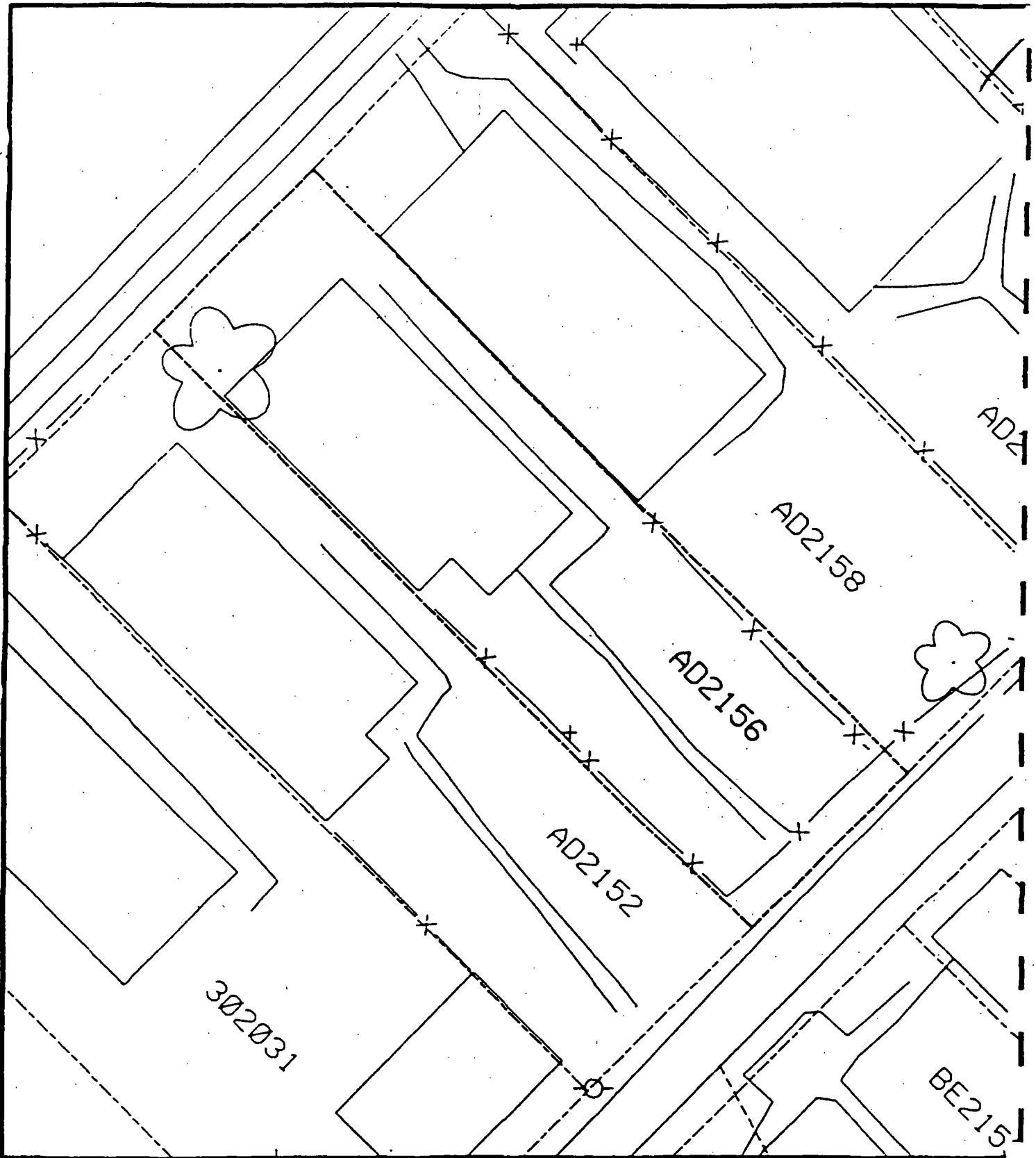
B	B	B
PPM	PPM	PPM
No.	No.	No.

658 151  
 602 323

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

651 116  
 404 158



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4V

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2156 ADAMS ST

Resident ID No.

AD2156



Action Date: 10/22/97

Loadout: 10/23/97

Restoration Begins: 10/27/97

Restoration Completed: 11/10/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 60.29 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
78.38	6	32.91				180	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

██████████

1040 570

3 - 6" Front and Back

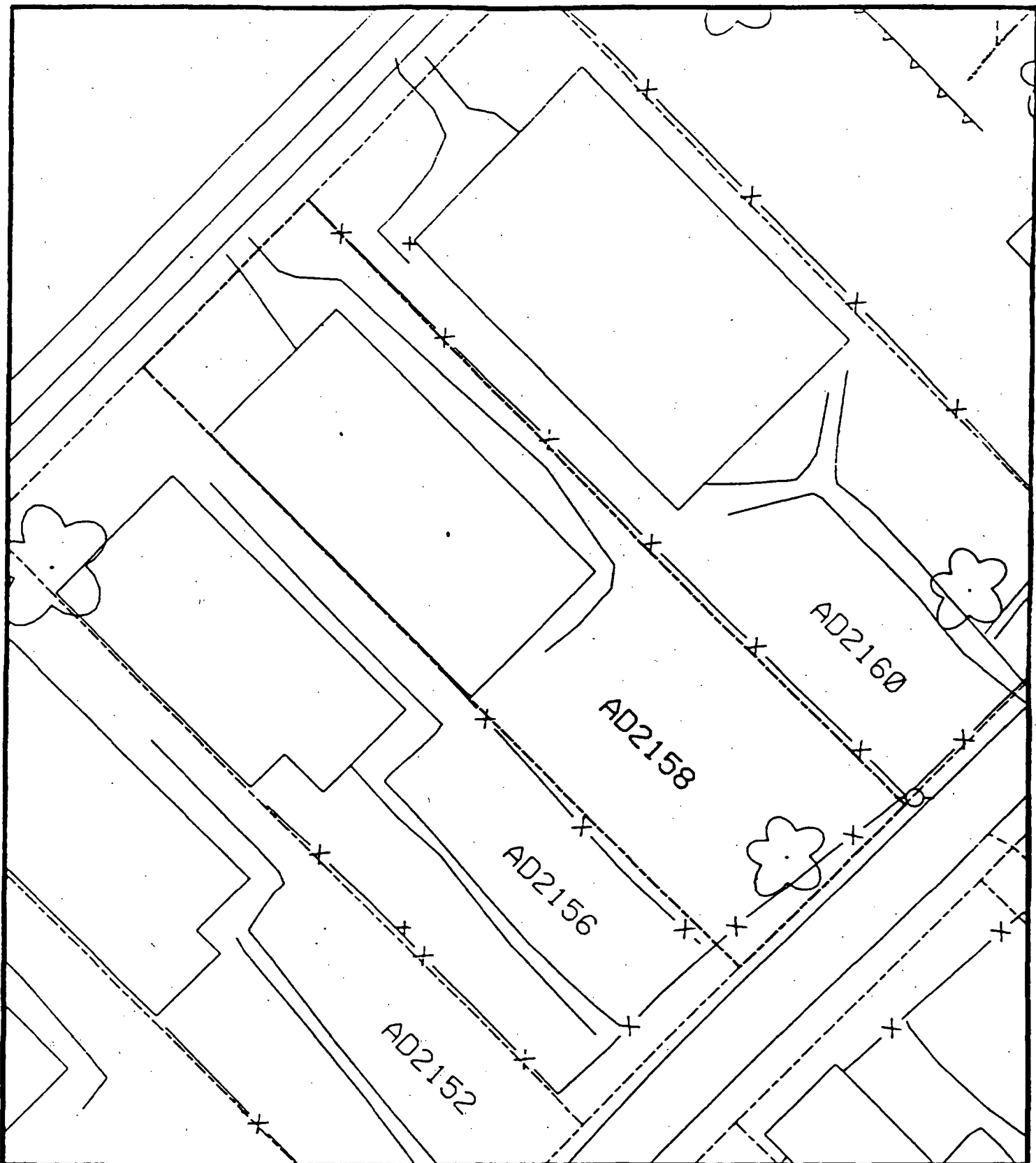
B	B	B
PPM	PPM	PPM
No.	No.	No.

1044 622

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

371 815  
 390 429



Comments: \_\_\_\_\_



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4V

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.



  
Action Date: 3/30/98

Loadout: 4/2/98

Restoration Begins: 4/2/98

Restoration Completed: 4/18/98

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 100.40 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Schneider Turf Farm

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
130.52	8		39.6			240	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



290 379  
 178 **505**  
 249 **735**

**3 - 6" Front and Back**

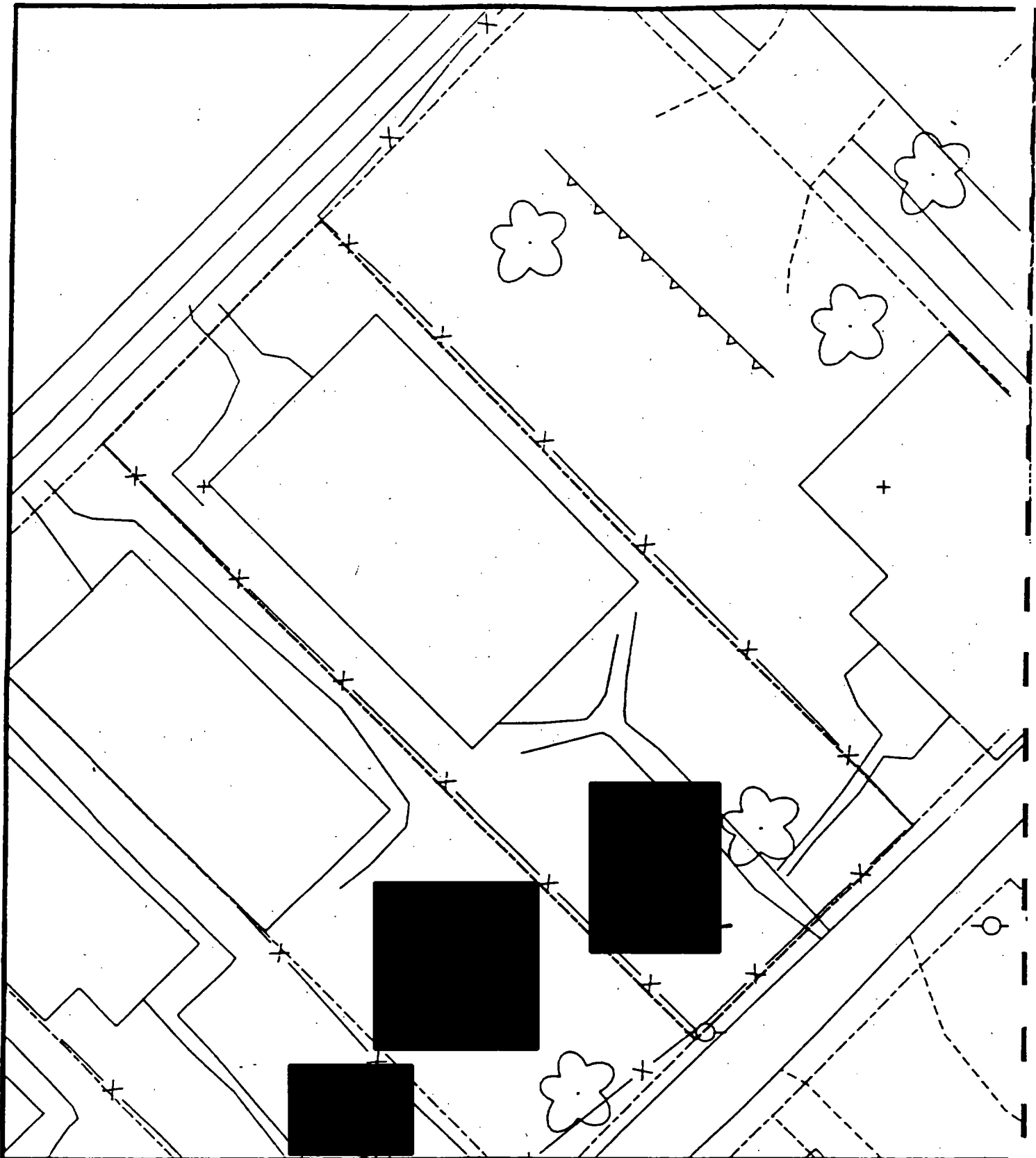
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

164 324  
 107 **612**  
 116 **730**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

48 239  
 69 **504**  
 52 **795**



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MC1141

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

Resident ID No.

CHKD. BY:



Action Date: 10/21/97

Loadout: 10/27/97

Restoration Begins: 10/27/97

Restoration Completed: 10/31/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 152.96 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
198.86	10	61.39	72.35	21.98		480	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 **510**      **428**

**3 - 6" Front and Back**

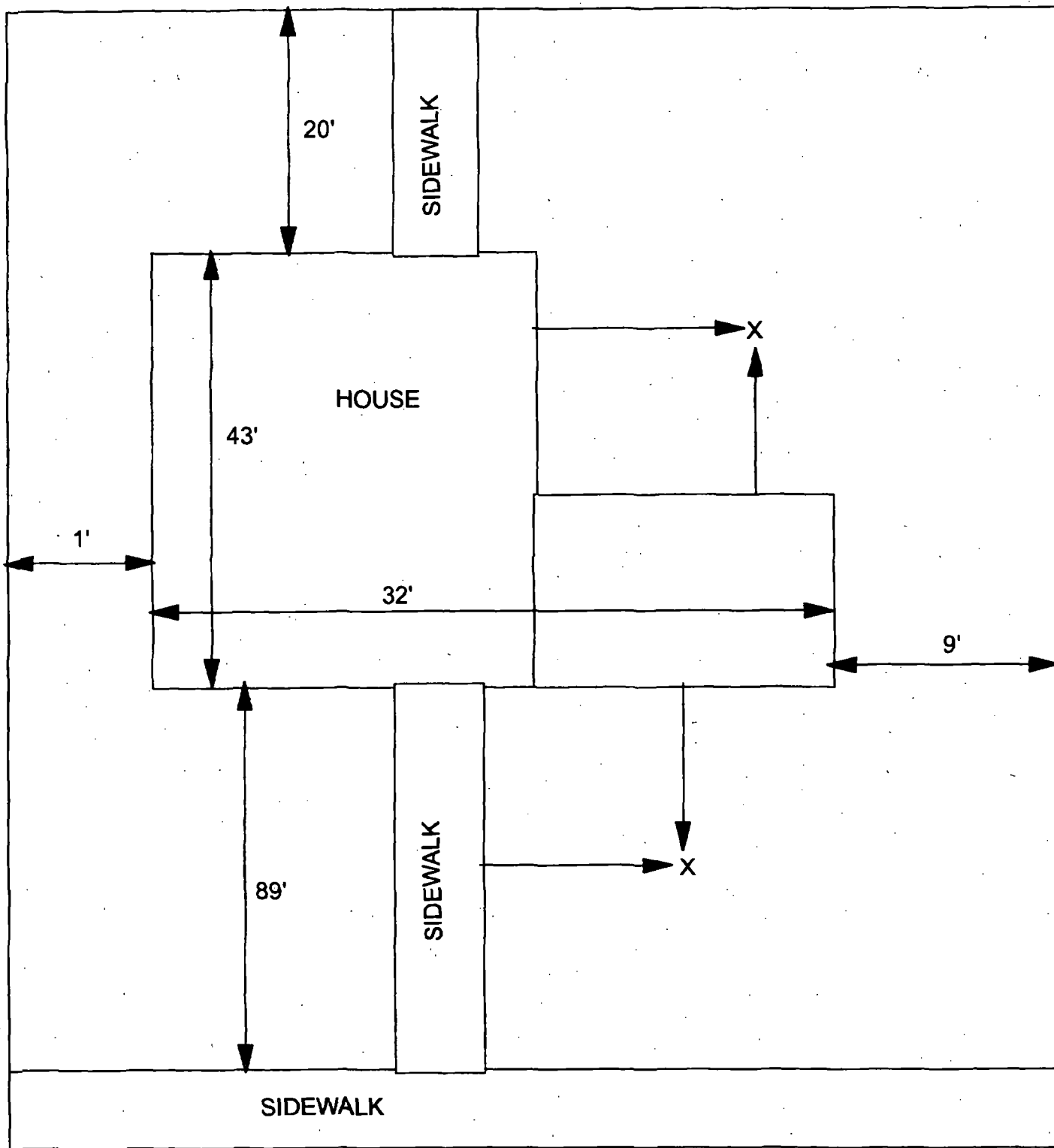
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**511**      **385**  
**510**      **256**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**598**      **224**  
**541**      **208**



X = SAMPLE POINT

41' X 152'

**OHM Corporation**  
Findlay, Ohio

Drawn By: <b>EDJ</b>	Checked By:
Date: <b>7/29/98</b>	Approved By:
Scale: <b>NTS</b>	Drawing No:





Action Date: 10/21/97

Loadout: 10/28/97

Restoration Begins: 10/28/97

Restoration Completed: 10/31/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 124.53 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
161.89	5	43.36	42.3	21.63		420	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

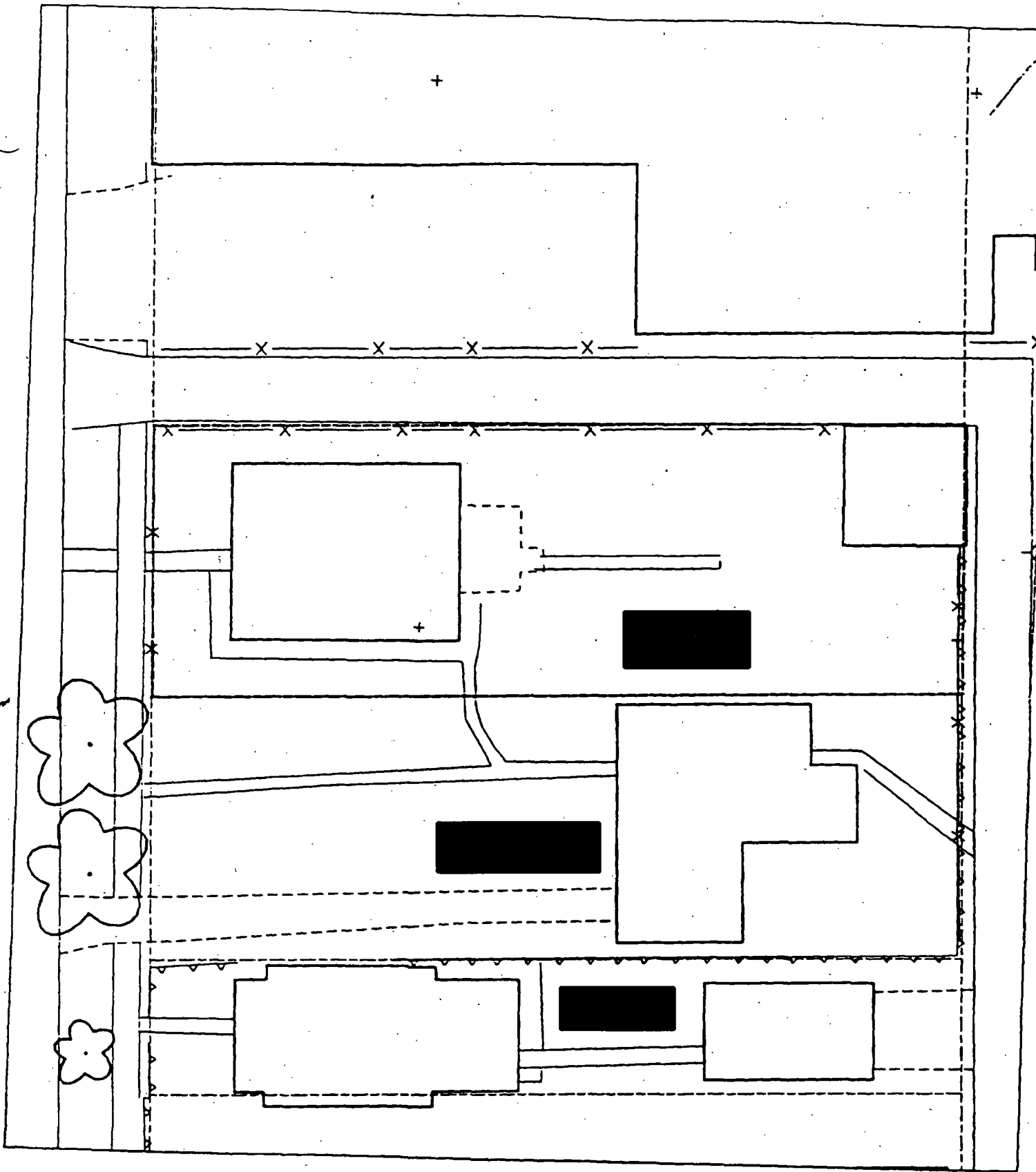
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

462 258  
 303 397  
 402 423

310 474  
 237 141  
 353 548

119 97  
 150 54  
 239 223





Action Date: 7/14/97

Loadout: 7/15/97

Restoration Begins: 7/16/97

Restoration Completed: 8/4/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 50.78 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
66.02		52.58	12.8	14.07		180	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>


**915**    **111**  
**1201**    **880**

**3 - 6" Front and Back**

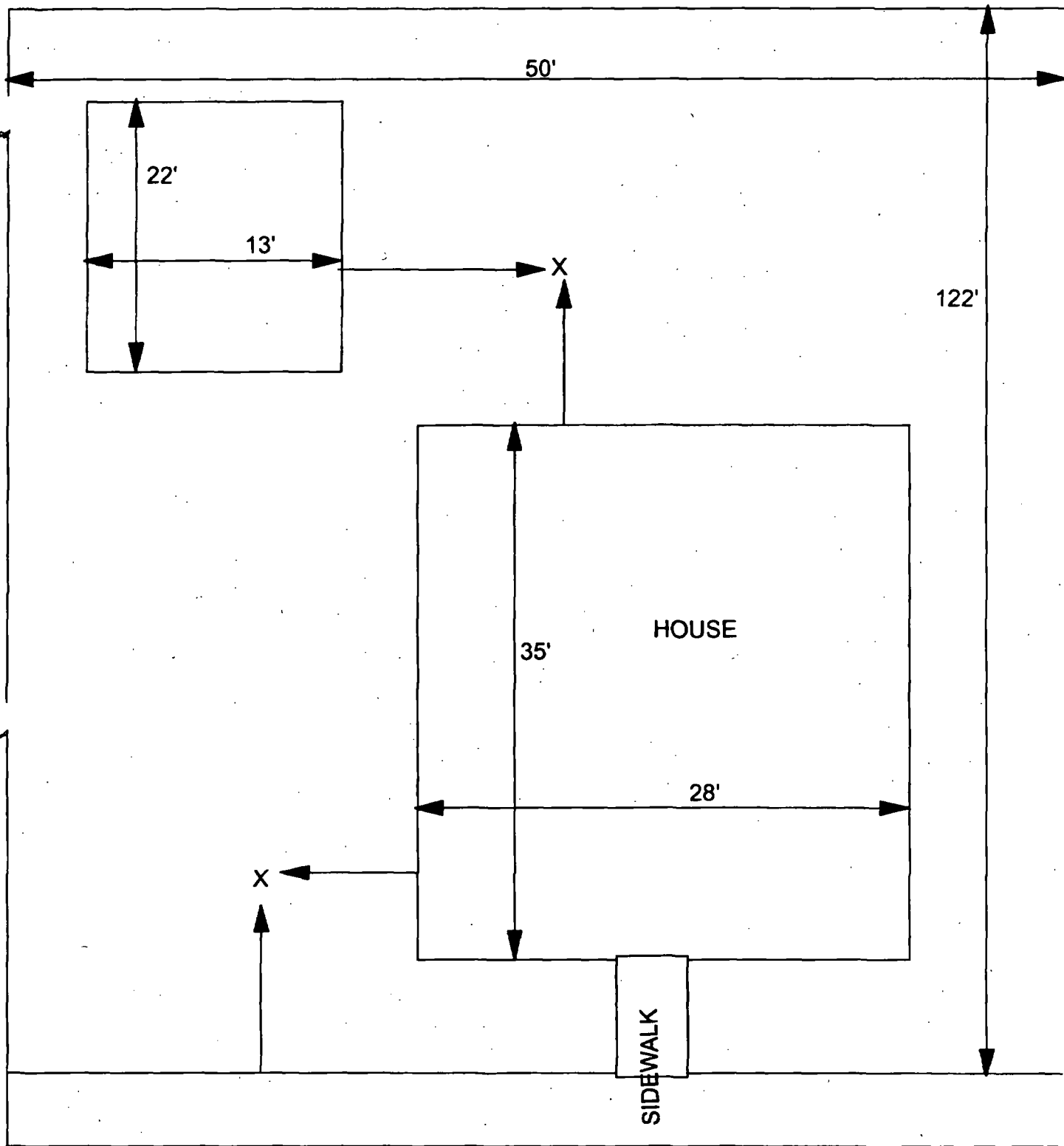
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**255**    **176**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**143**    **299**



X = SAMPLE POINT

<b>50' X 122'</b>		<b>OHM Corporation</b> Findlay Ohio	
Drawn By: <b>EDJ</b>	Checked By:		
Date: <b>7/29/98</b>	Approved By:		
Scale: <b>NTS</b>	Drawing No:		





Action Date: 6/30/97

Loadout: 7/1/97

Restoration Begins: 7/1/97

Restoration Completed: 7/10/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 64.76 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
84.19	5	40.93	14.65	14.3		210	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1110

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

527

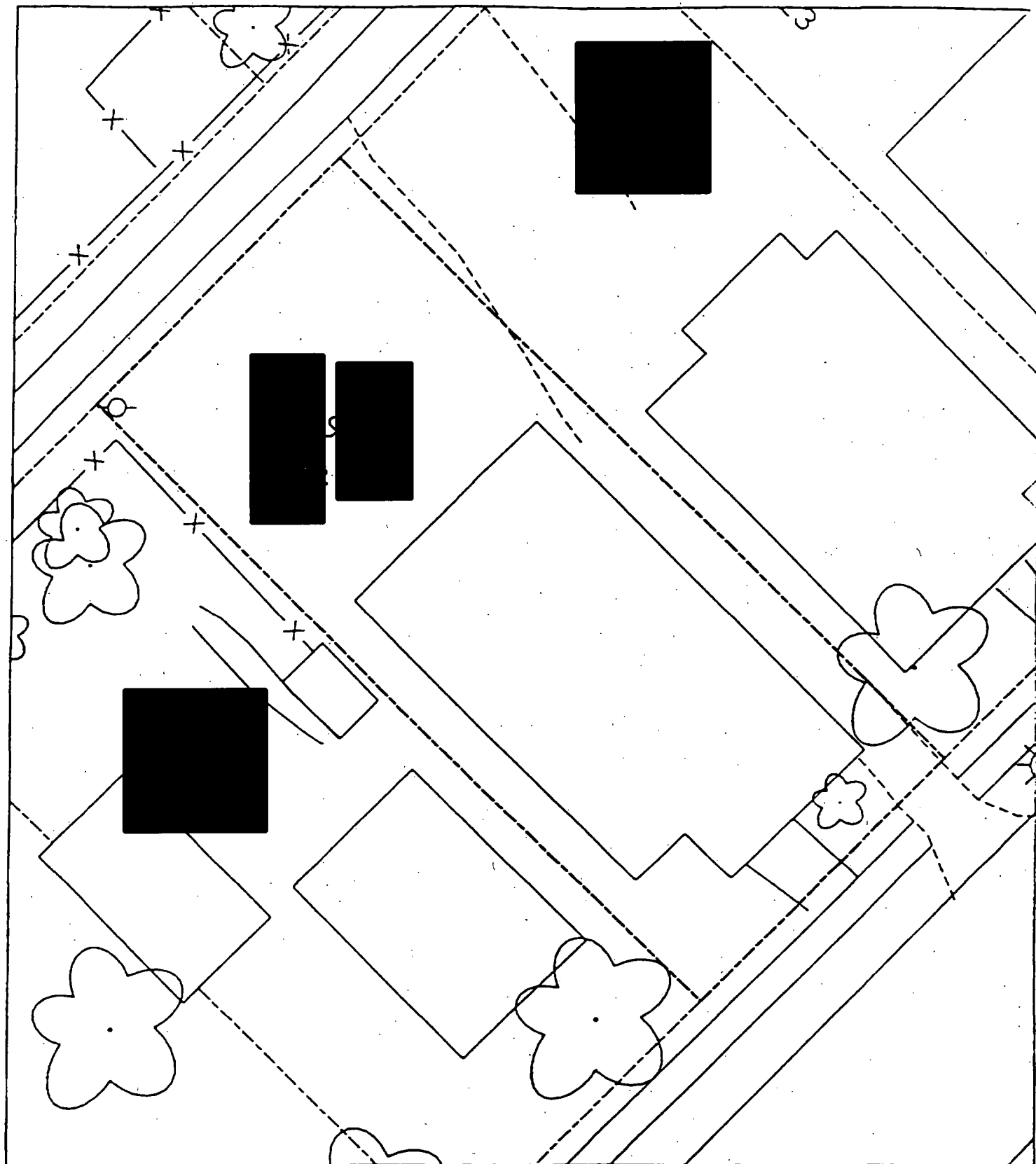
1210

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

128

437





Action Date: 3/12/97

Loadout: 3/20/97

Restoration Begins: 3/20/97

Restoration Completed: 3/22/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 35.76 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Petago Sod Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
46.49	1	30	29.65	31		150	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

577 128  
 467 248

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

337 209

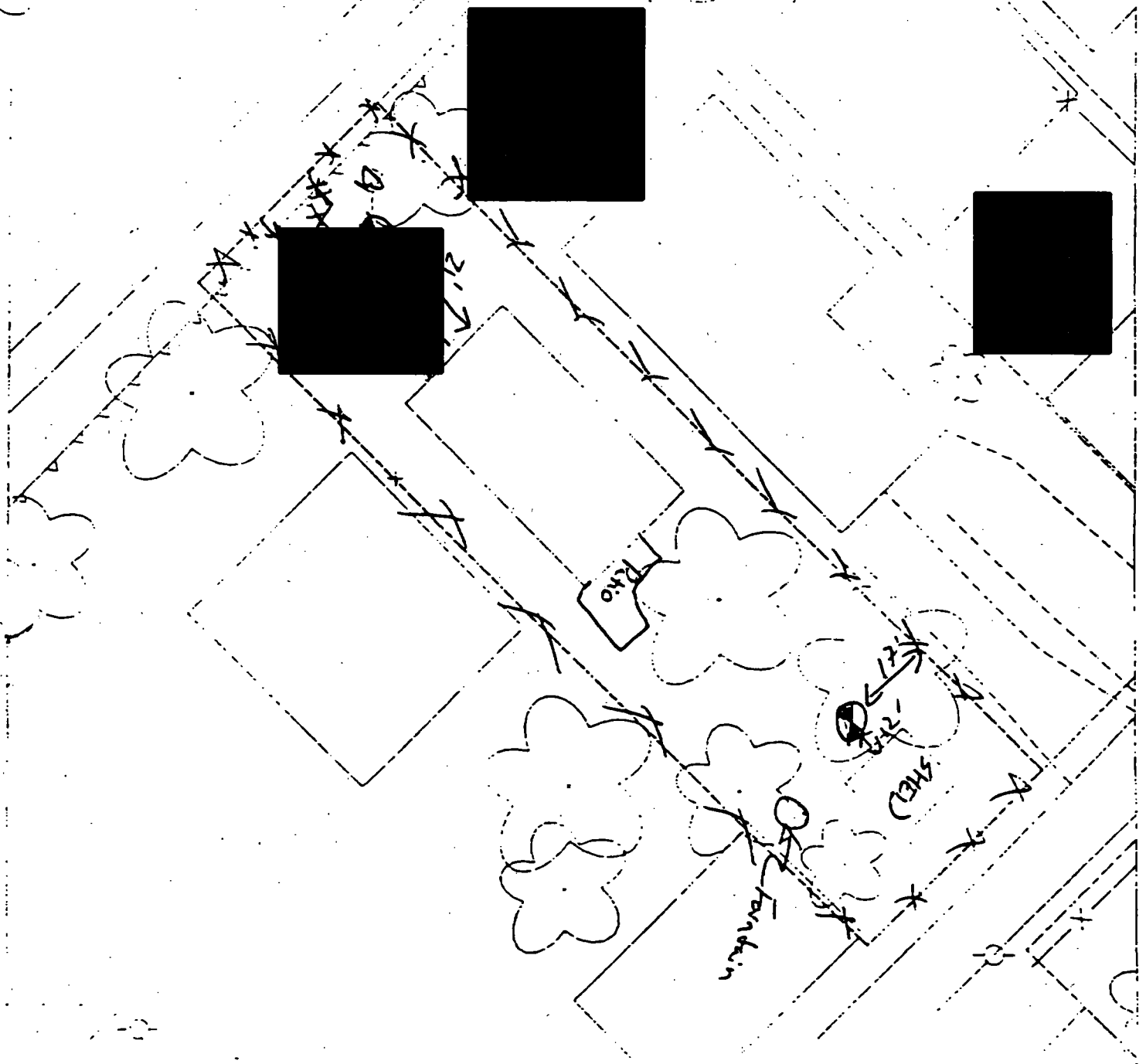
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

182 44

I





Bi 1' Not walking  
- 21' W of house

B2 17' S of fence  
12' W of shed

House & Pavement = 70%

[REDACTED]

Action Date: 6/5/97

✓ Loadout: 6/6/97

Restoration Begins: 6/7/97

Restoration Completed: 6/19/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 63.92 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
83.1		50.98	31.15	44.8		180	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

798 1675

3 - 6" Front and Back

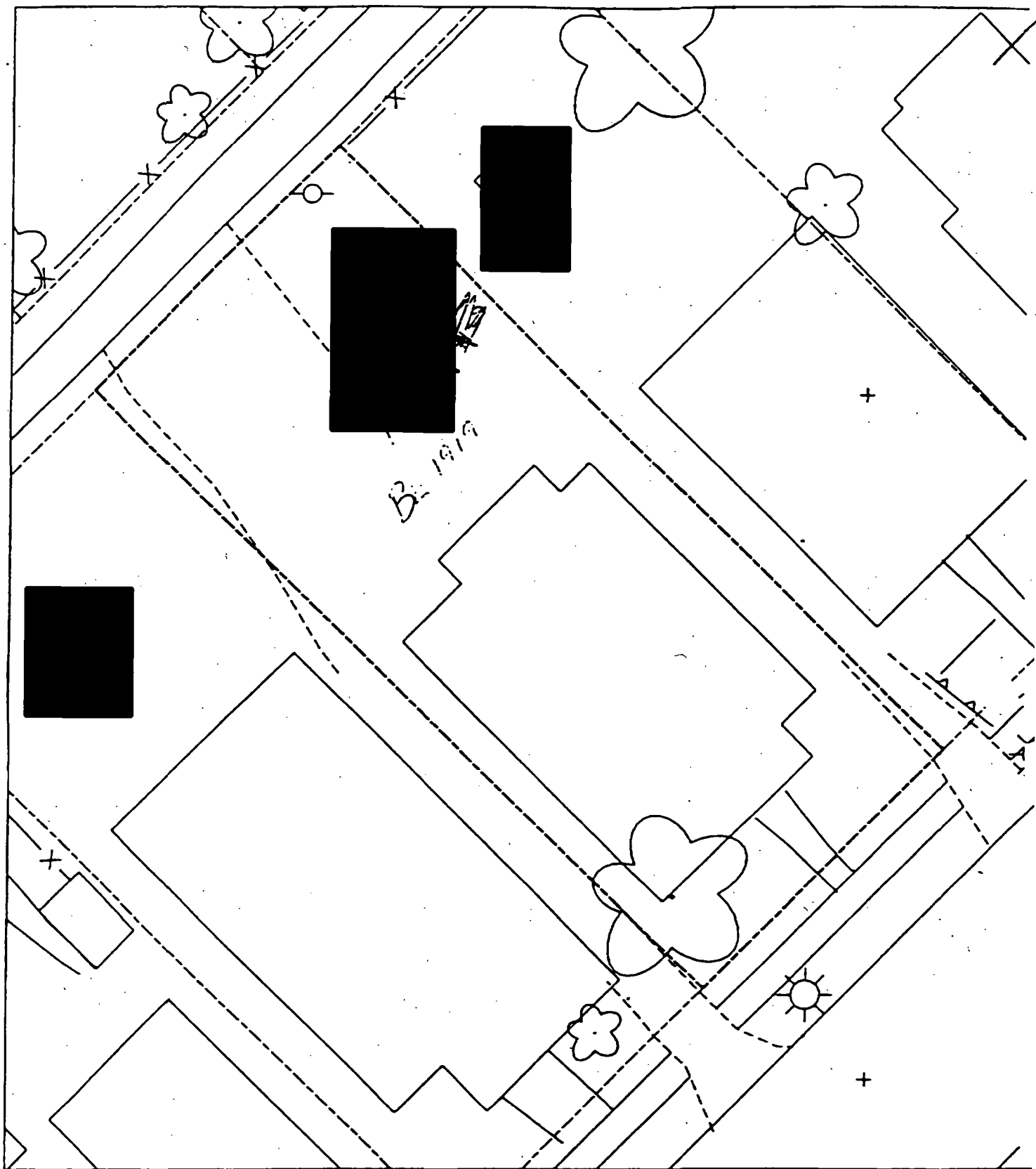
B	B	B
PPM	PPM	PPM
No.	No.	No.

367 95

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

84 250





Action Date: 3/20/97

Loadout: 3/22/97

Restoration Begins: 3/24/97

Restoration Completed: 4/9/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 25.13 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*Roller

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Pedago Sod Farm

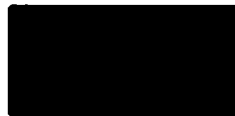
### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.



OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
32.68		28		14.9		120		

Sampling Analysis  
Project #19531

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



639 686

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

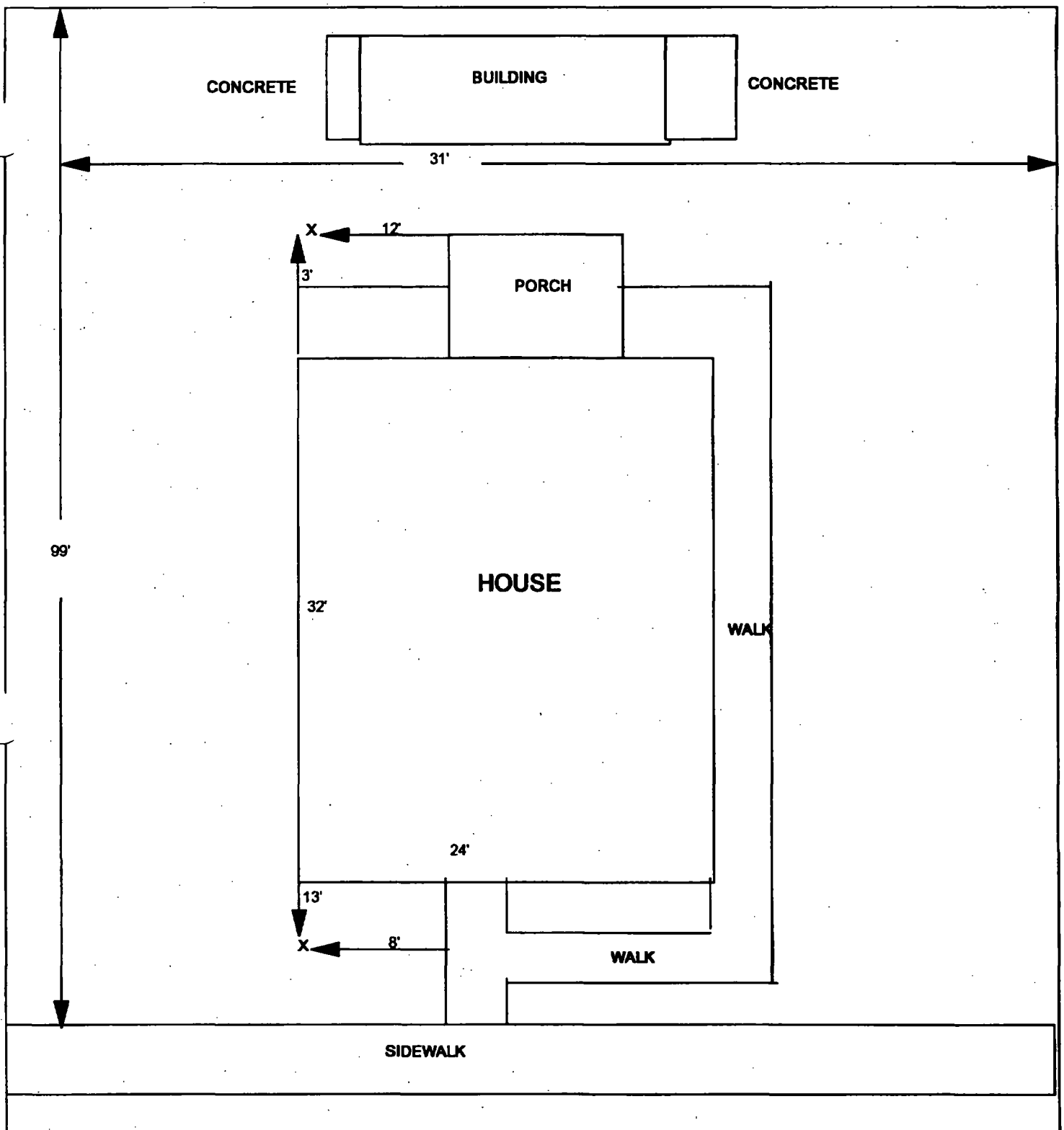
300 335

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

53 117

I



X = SAMPLE POINT



**TOTAL  
DEMINSIONS**

**99'X31'**

**OHM Corporation**  
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 5/29/97	Approved By:
Scale: NTS	Drawing No:



Action Date: 3/22/97

Loadout: 3/24/97

Restoration Begins: 3/24/97

Restoration Completed: 4/9/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 26.24 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*Roller

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Pedago Sod Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
34.12		12		14.8		120	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



367      709  
 513      736

**3 - 6" Front and Back**

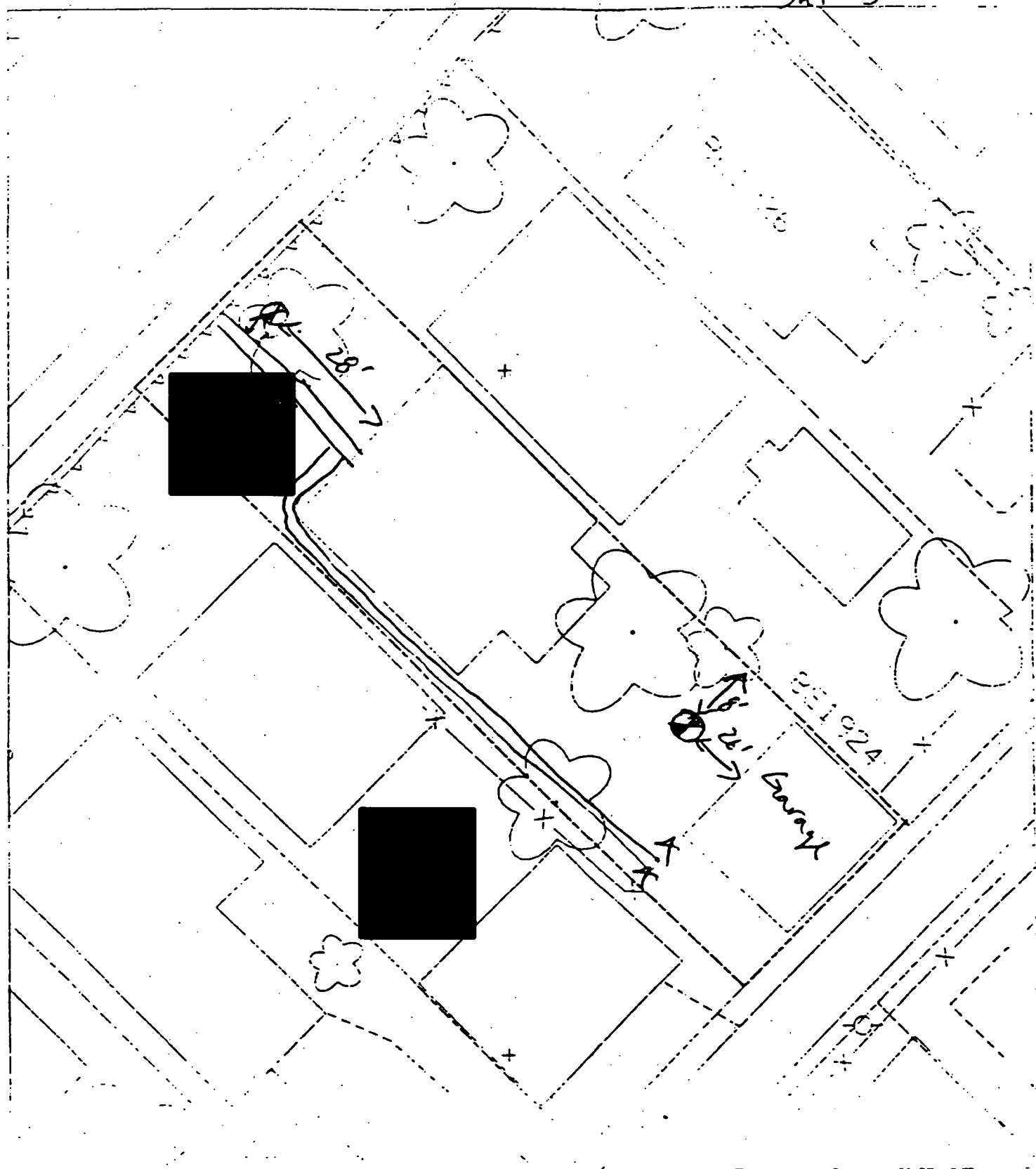
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

319      521  
 410      297

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

216      364



House & Pavement = 80%





Action Date: 6/4/97

Loadout: 6/5/97

Restoration Begins: 6/7/97

Restoration Completed: 6/9/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 60.63 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
78.83			32.55	46.7			

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

[REDACTED]	516	257
	432	444

3 - 6" Front and Back

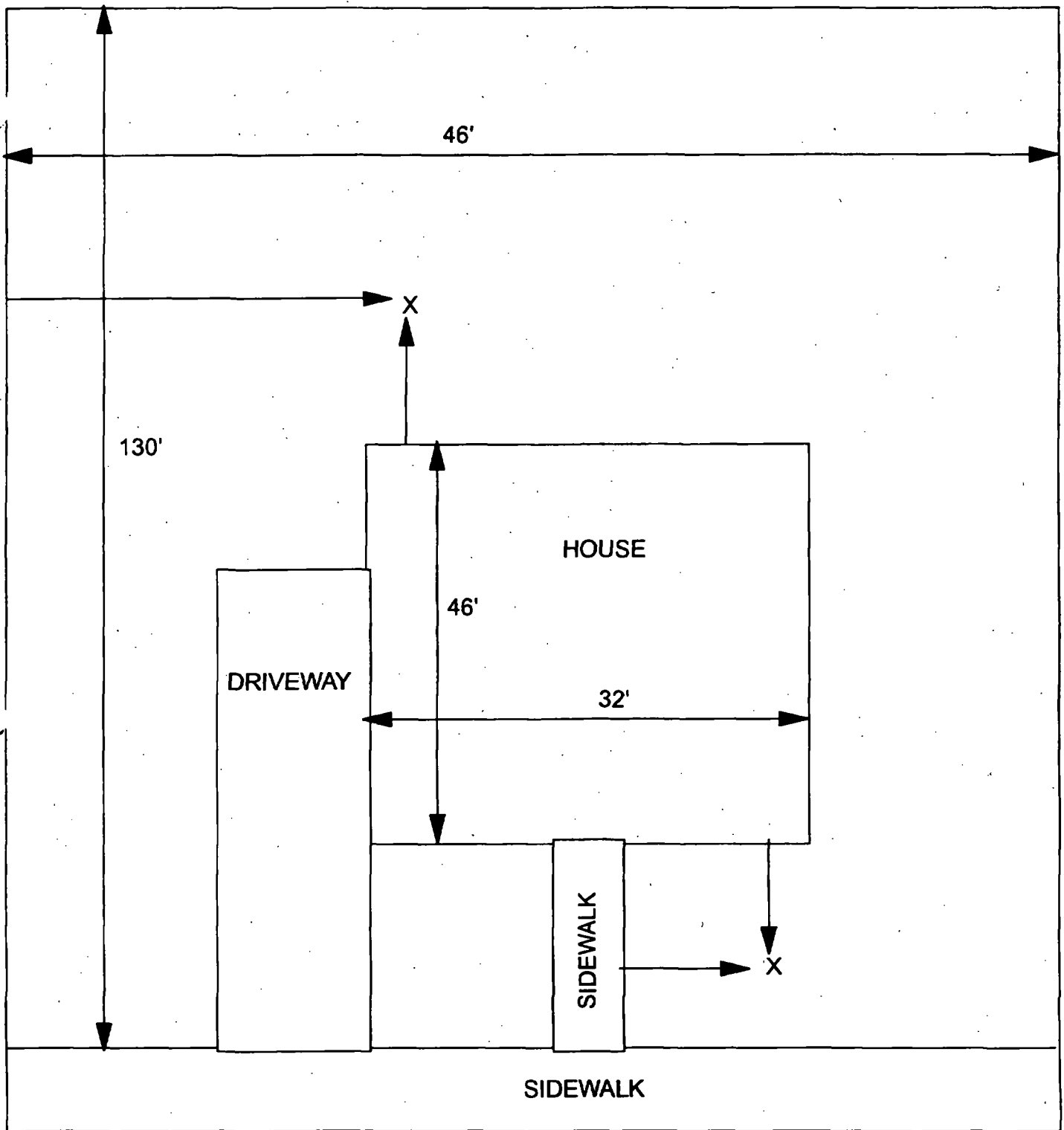
B	B	B
PPM	PPM	PPM
No.	No.	No.

376	132
-----	-----

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

223	70
-----	----



X = SAMPLE POINT

46' X 130'

**OHM**   
**Corporation**  
Findlay Ohio

Drawn By: EDJ : Checked By:

Date: 7/29/98 : Approved By:

Scale: NTS : Drawing No:



Action Date: 4/1/97

Loadout: 4/2/97

Restoration Begins: 4/3/97

Restoration Completed: 4/9/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 46.68 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*Roller

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Pedago Sod Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
60.69	2	16	16.45	16.6		120	



**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 550 651

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

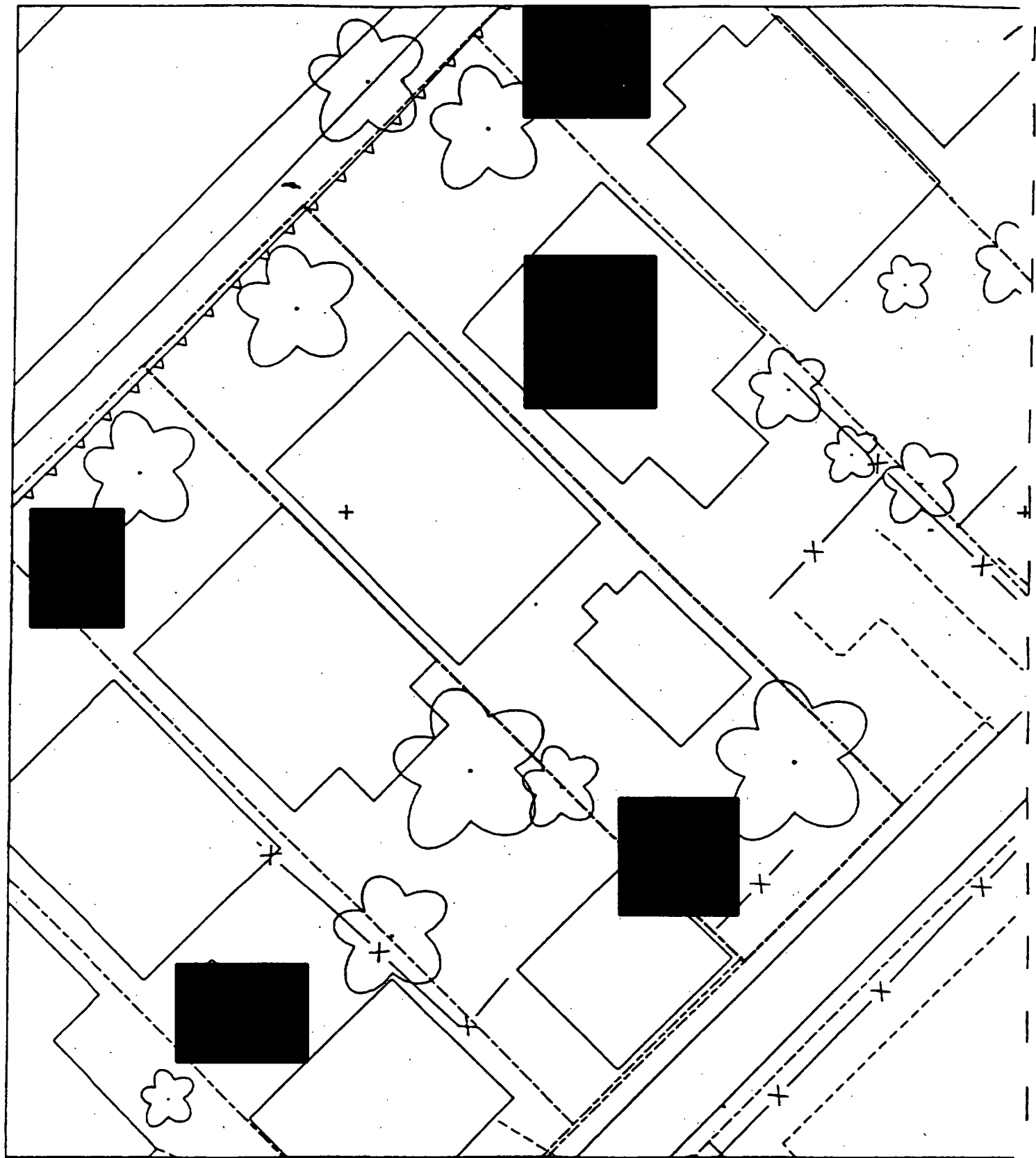
903 616

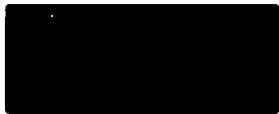
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

624 522

I
E
(





Action Date: 6/21/97

Loadout: 6/23/97

Restoration Begins: 6/23/97

Restoration Completed: 7/9/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 32.00 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
41.6		63.74				420	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



**626      916**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

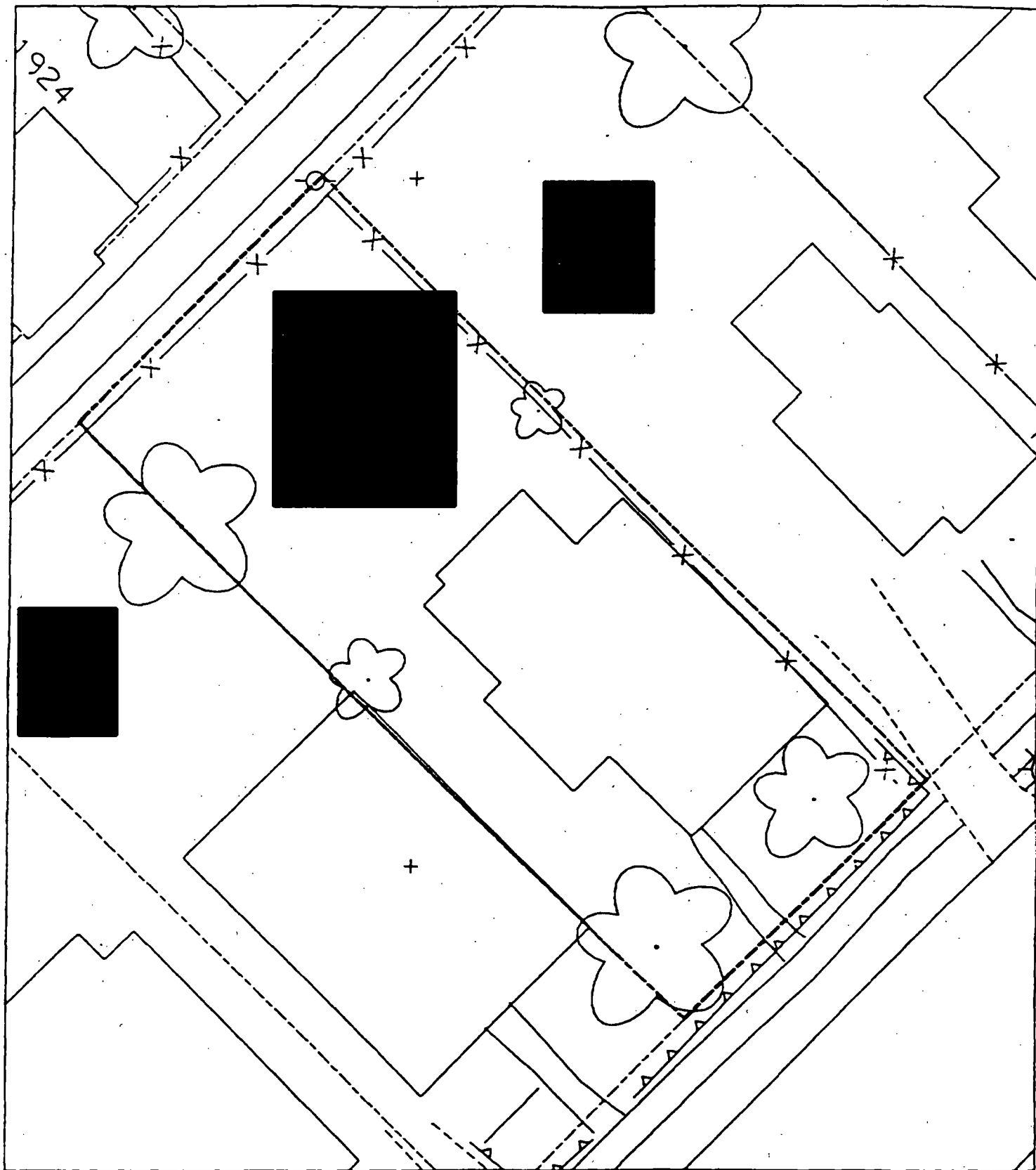
**335      347**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**116      327**

<b>I</b>





Action Date: 3/31/97

Loadout: 4/2/97

Restoration Begins: 4/2/97

Restoration Completed: 4/10/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 33.63 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*Kobotoa

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Pedago Sod Farm



## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
43.73		14.74	17.5			150	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



660 415

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

129 242

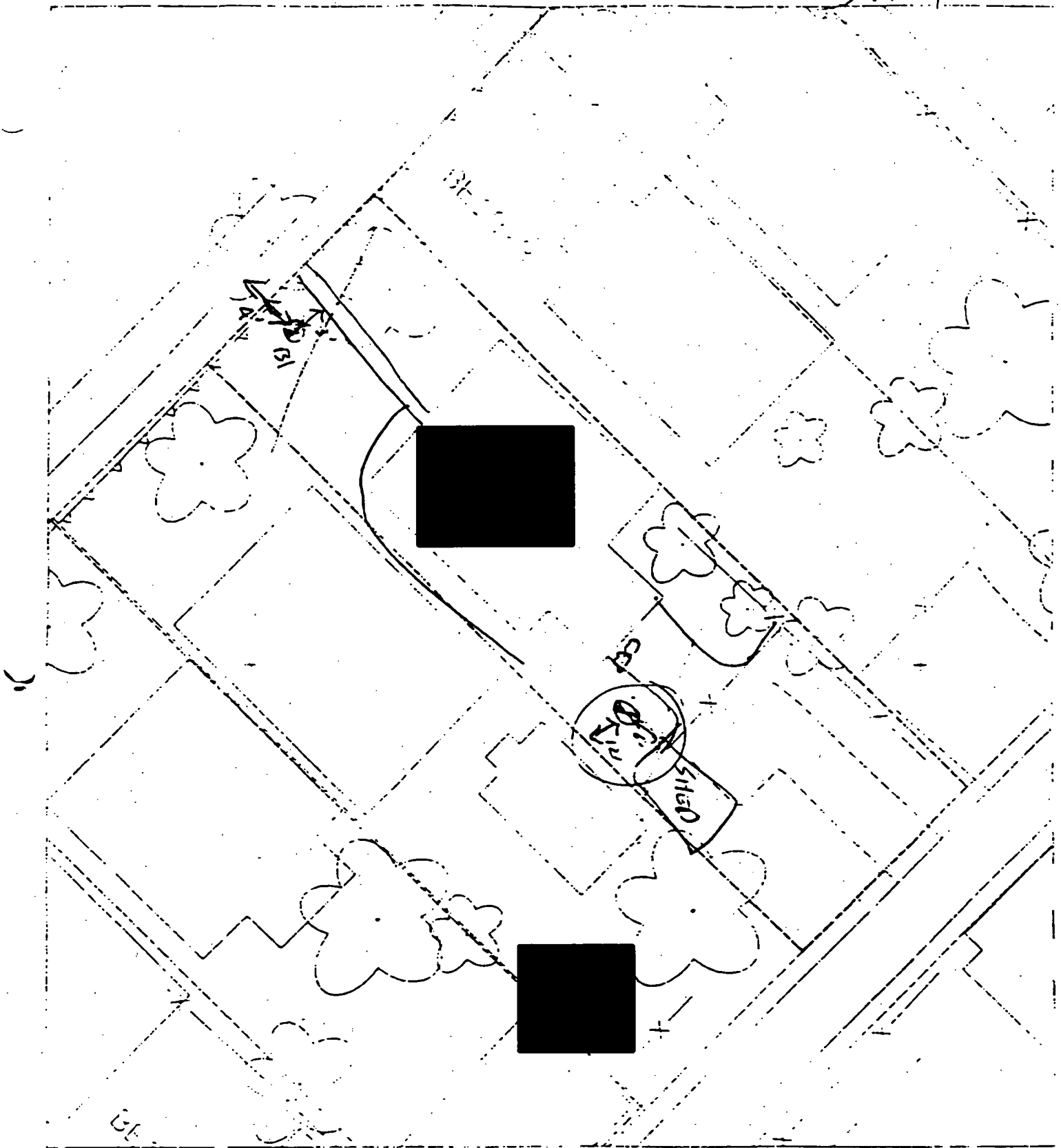
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

23 212

I

SLT 4



House & Pavement = 90%

OK



Action Date: 7/22/97

Loadout: 7/24/97

Restoration Begins: 7/24/97

Restoration Completed: 8/20/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 51.27 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*Roller

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
66.66	1	36.04	26.3	14.6		240	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 835 404

**3 - 6" Front and Back**

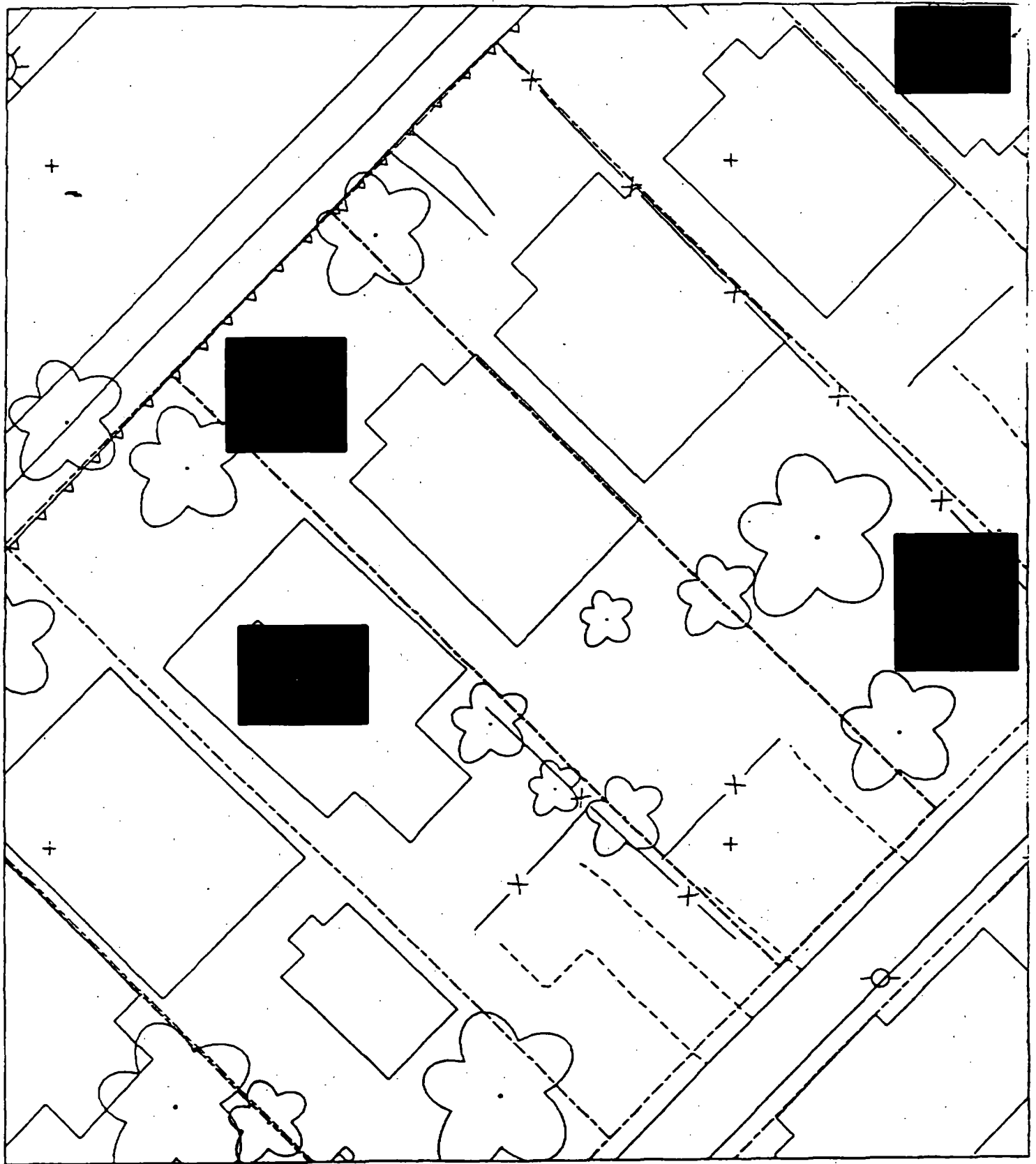
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

167 141

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

45 63







Action Date: 3/26/97

— Loadout: 3/27/97

Restoration Begins: 3/28/97

Restoration Completed: 4/24/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 50.84 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Pedago Sod Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
66.1	2	77.22	42.09			240	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 **570**    **420**

**3 - 6" Front and Back**

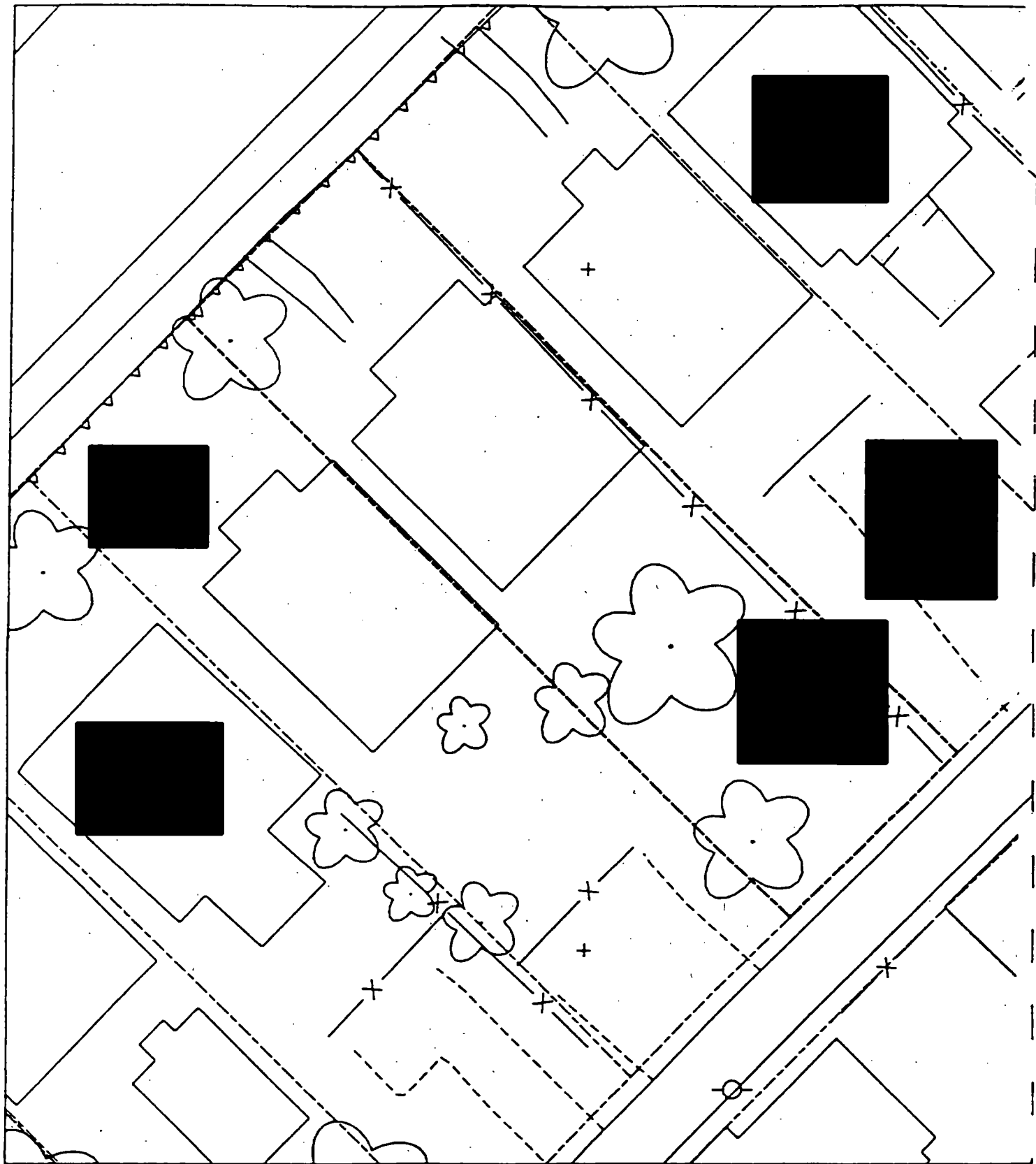
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**459**    **574**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**183**    **136**





Action Date: 7/26/97

Loadout: 7/29/97

Restoration Begins: 10/8/97

Restoration Completed: 10/8/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 37.81 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
49.16		45.43		15.45		240	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



188 312  
 49 91  
**846** 222  
 107 216

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

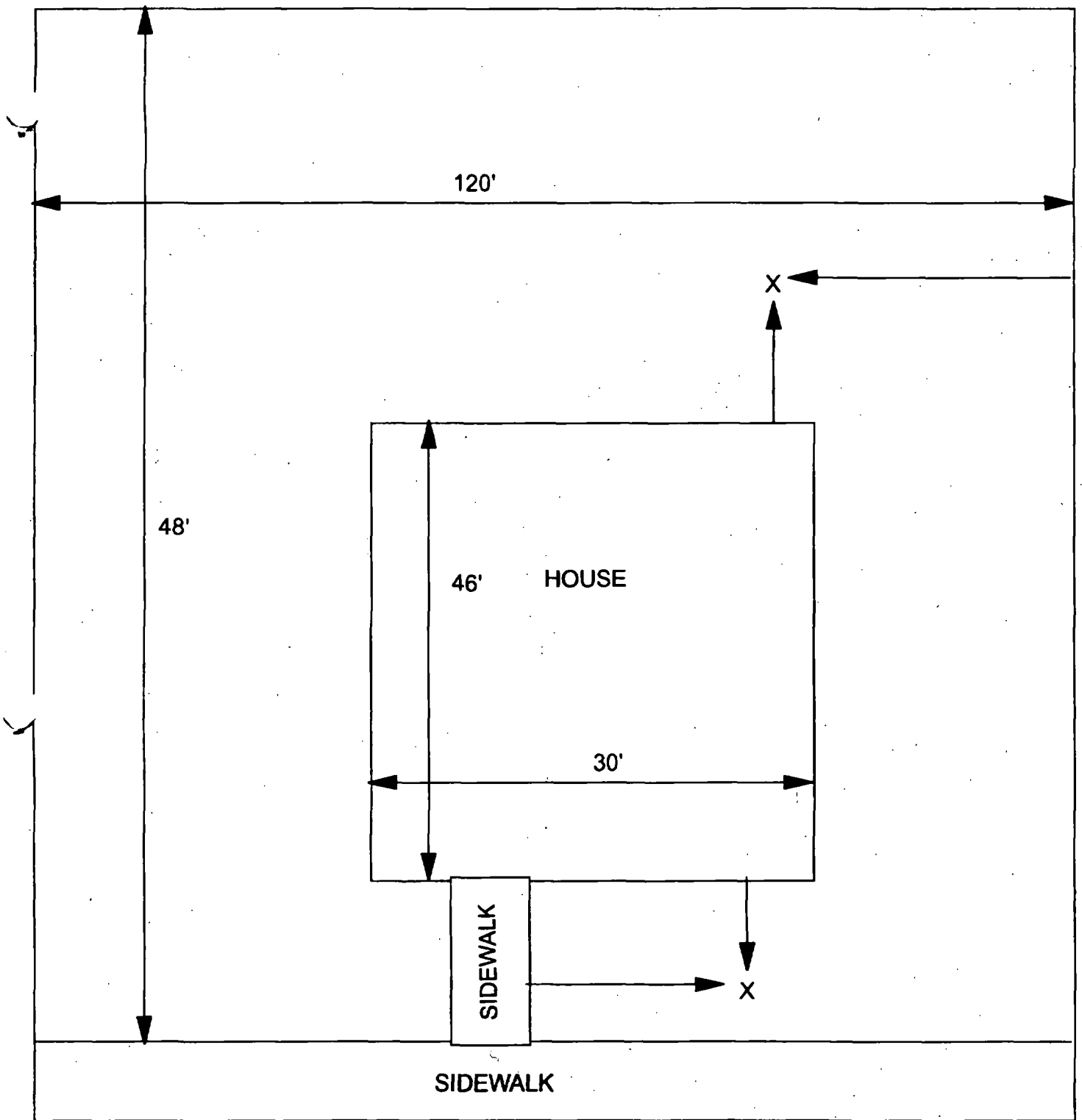
256 246  
**678** 163  
 491 185

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

82 361  
 49 51  
 50 107





X = SAMPLE POINT

<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> <b>48' X 120'</b>	<b>OHM Corporation</b> <small>Findlay Ohio</small>	
	Drawn By: <b>EDJ</b>	Checked By:
	Date: <b>7/29/98</b>	Approved By:
	Scale: <b>NTS</b>	Drawing No:



Action Date: 4/8/97

Loadout: 4/9/97

Restoration Begins: 4/14/97

Restoration Completed: 4/25/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 30.82 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR.




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
40.07		44.3				180	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 185 520

**3 - 6" Front and Back**

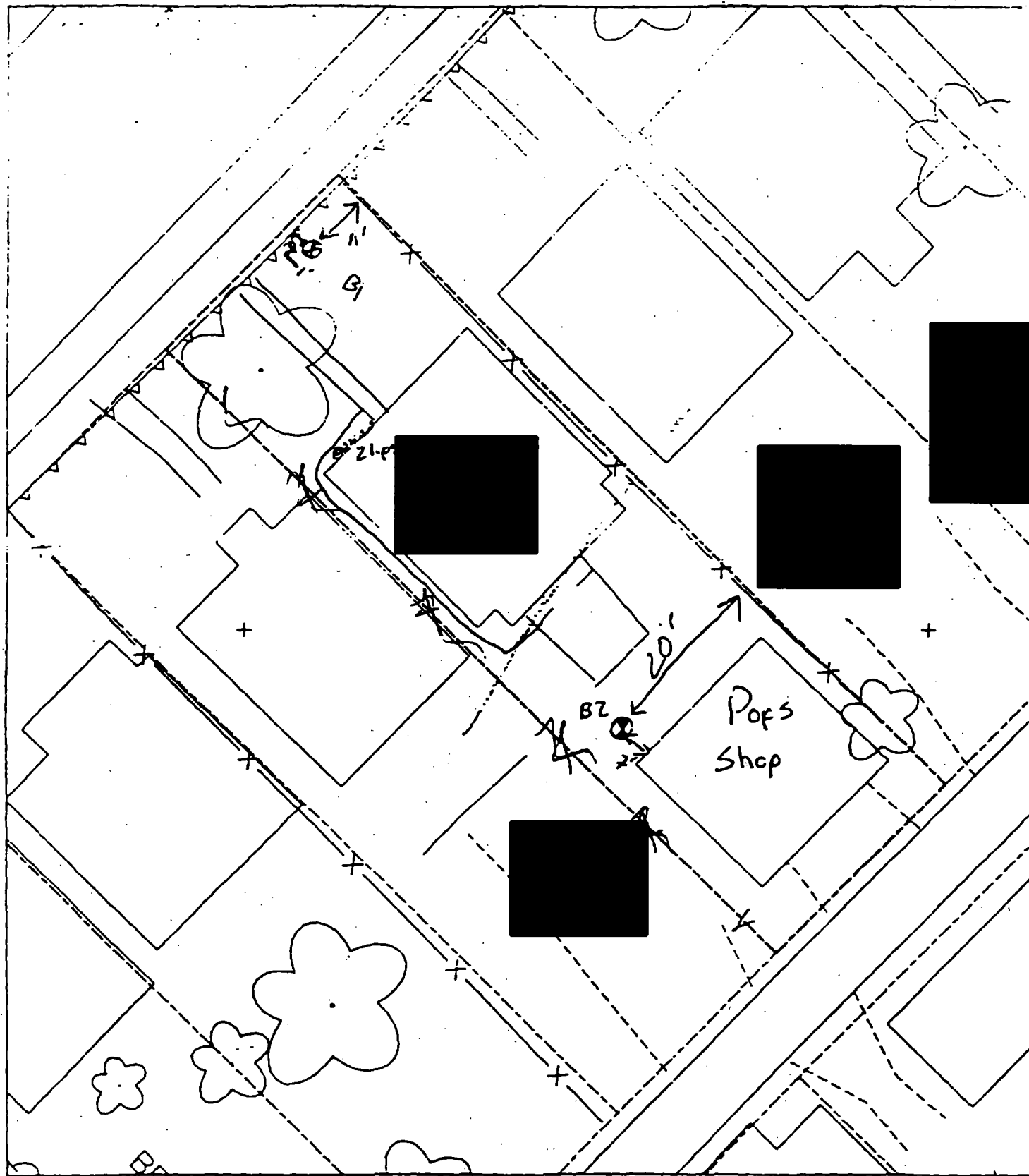
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

877 404

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

257 318



B1 1' E of wall  
11' S of fence

B2 7' W of shop  
20' S of fence

60% Paved



Action Date: 8/12/97

Loadout: 8/13/97

Restoration Begins: 8/14/97

Restoration Completed: 8/26/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 58.43 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*Roller

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
75.96	3	15.61	29.05	16.7		300	



**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

474 470

3 - 6" Front and Back

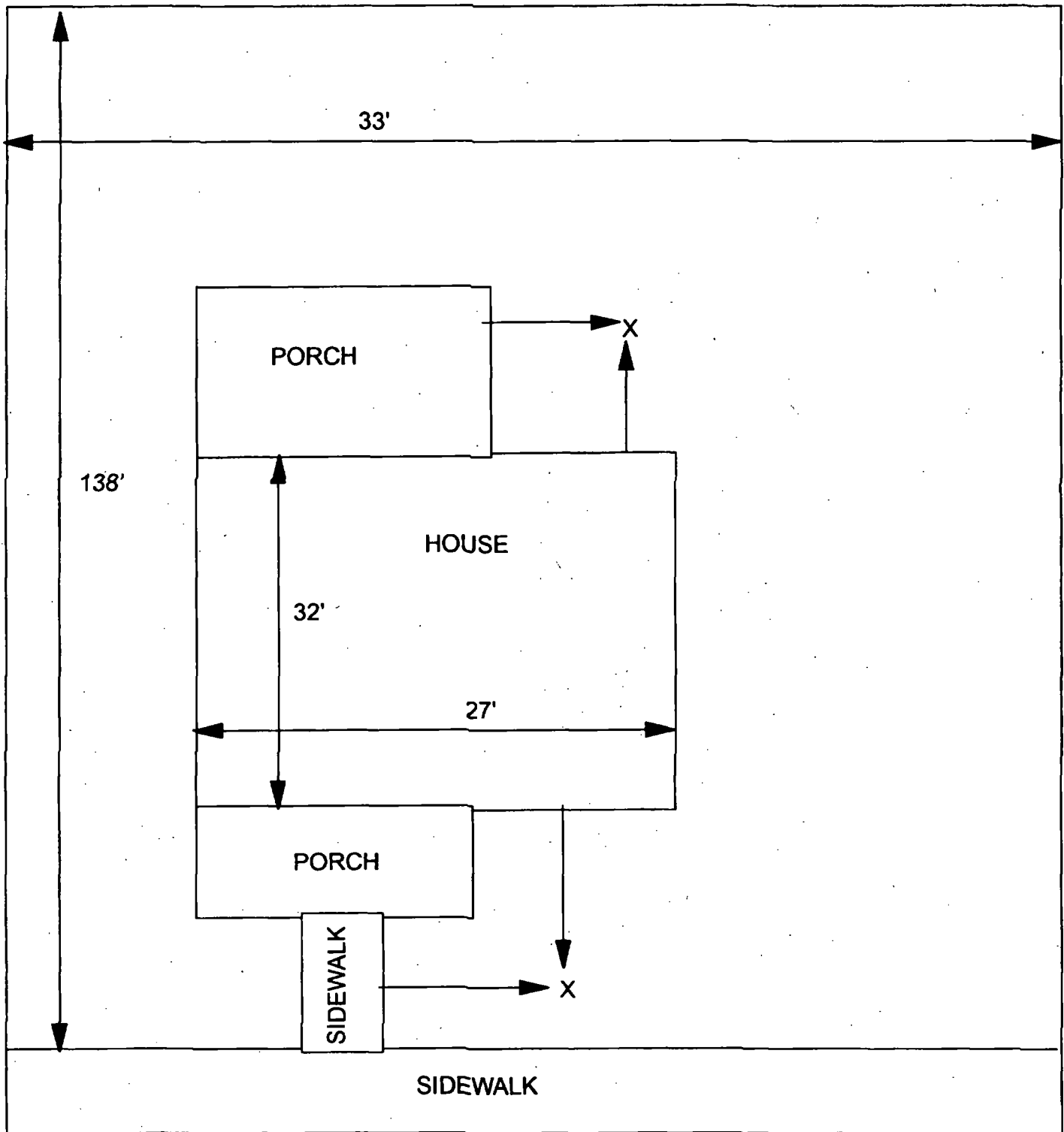
B	B	B
PPM	PPM	PPM
No.	No.	No.

557 310  
1055 460


6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

190 170



X = SAMPLE POINT

<div style="background-color: black; width: 100px; height: 15px; margin-bottom: 5px;"></div> <b>33' X 138'</b>		 <b>OHM Corporation</b> <small>Findlay, Ohio</small>
Drawn By: <b>EDJ</b>	Checked By:	
Date: <b>7/29/98</b>	Approved By:	
Scale: <b>NTS</b>	Drawing No:	



Action Date: 6/18/97

Loadout: 6/19/97

Restoration Begins: 6/19/97

Restoration Completed: 7/9/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 77.24 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
100.42	4	23.85	27.65	29.6		360	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

	168	<b>668</b>
	85	447

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

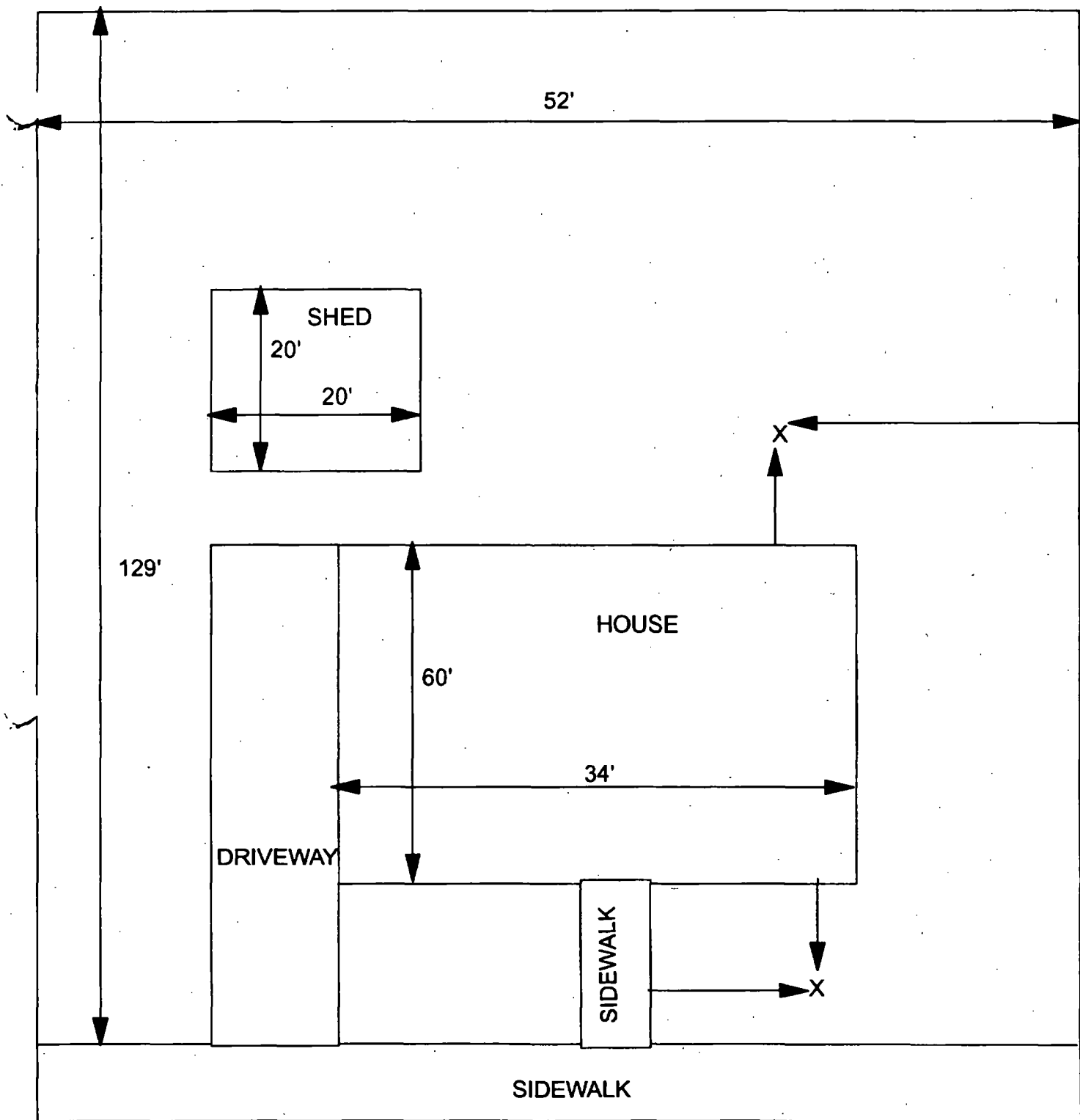
184	573
154	<b>509</b>

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

135	180
-----	-----

<b>I</b>



X = SAMPLE POINT

52' X 129'

**OHM**  
**Corporation**  
Findlay Ohio

Drawn By:	Checked By:
EDJ	
Date:	Approved By:
7/29/98	
Scale:	Drawing No:
NTS	

  
Action Date: 4/18/97

Loadout: 4/25/97

Restoration Begins: 4/26/97

Restoration Completed: 5/12/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 34.23 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm



### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
44.51		77.19				360	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

479 987

3 - 6" Front and Back

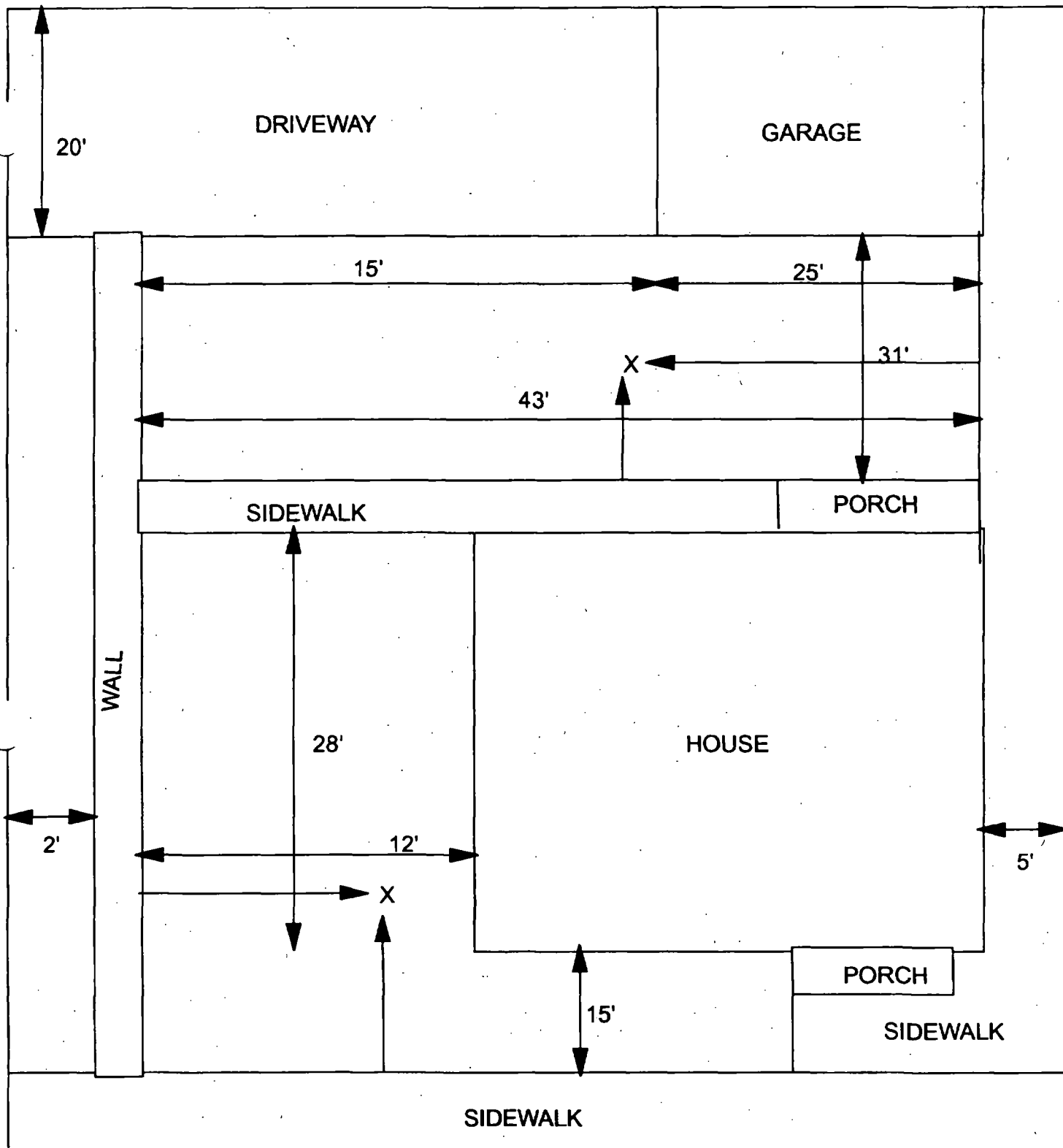
B	B	B
PPM	PPM	PPM
No.	No.	No.

114 470

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

48 252



X = SAMPLE POINT

47' X 98'

**OHM**  
**Corporation**  
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/28/98	Approved By:
Scale: NTS	Drawing No:

Action Date: 6/11/97

Loadout: 6/12/97

Restoration Begins: 6/12/97

Restoration Completed: 6/26/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 23.17 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
30.13		61.73		28.9		120	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 611 1240

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

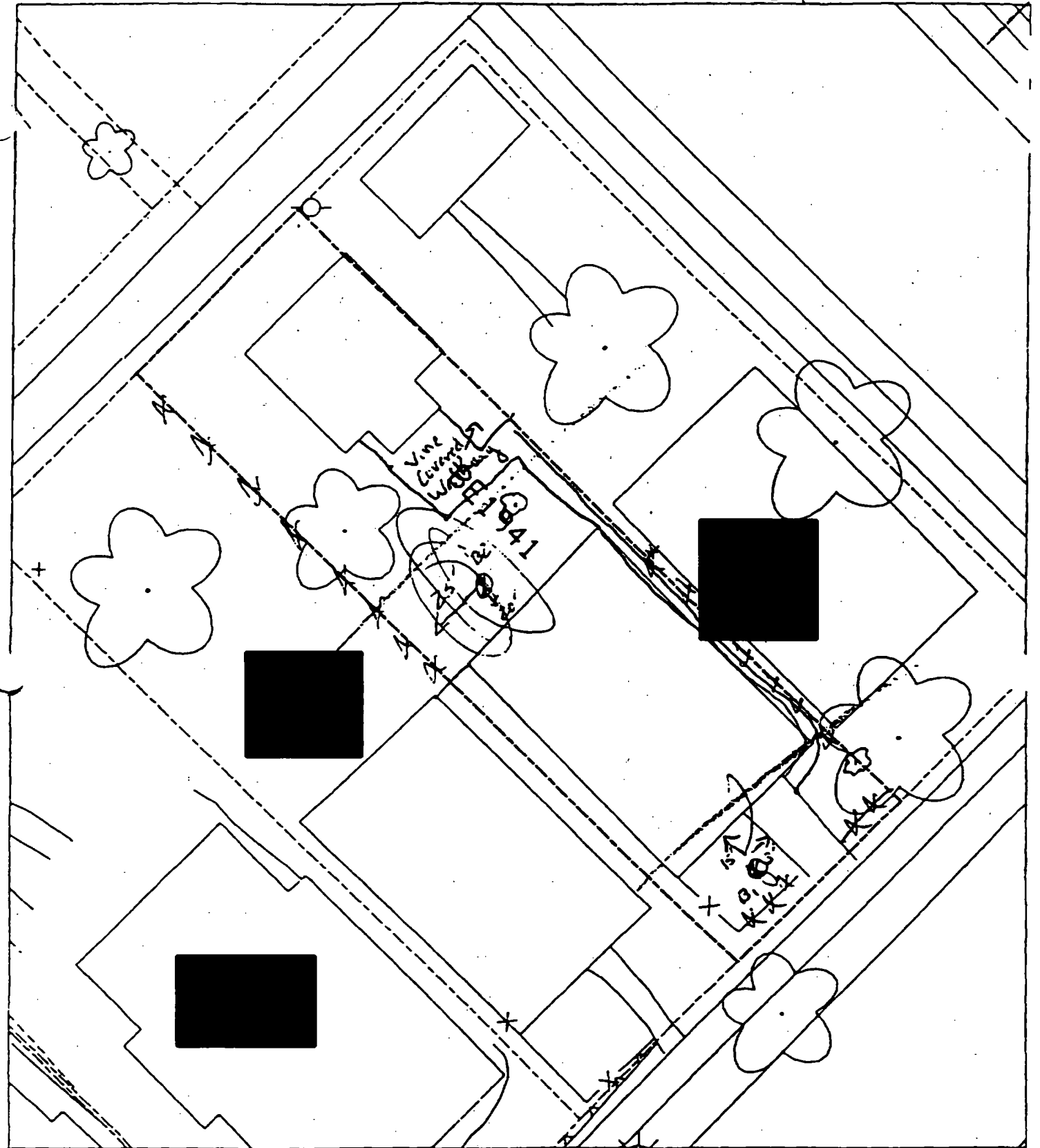
441 384

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

81 245





B1 3' to sidewalk  
15' to house

B2 20' to house  
25' to fence

House & Paved area = 70%



Action Date: 6/10/97

Loadout: 6/11/97

Restoration Begins: 6/12/97

Restoration Completed: 6/26/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 20.30 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL	TOPSOIL	CA-6	CA-7	SAND	SOD	CONCF
(TONS)	(LOADS)	(TONS)	(TONS)	(TONS)	(TONS)	CU.YDS.	
30.13		61.73		28.9		120	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

520 447

3 - 6" Front and Back

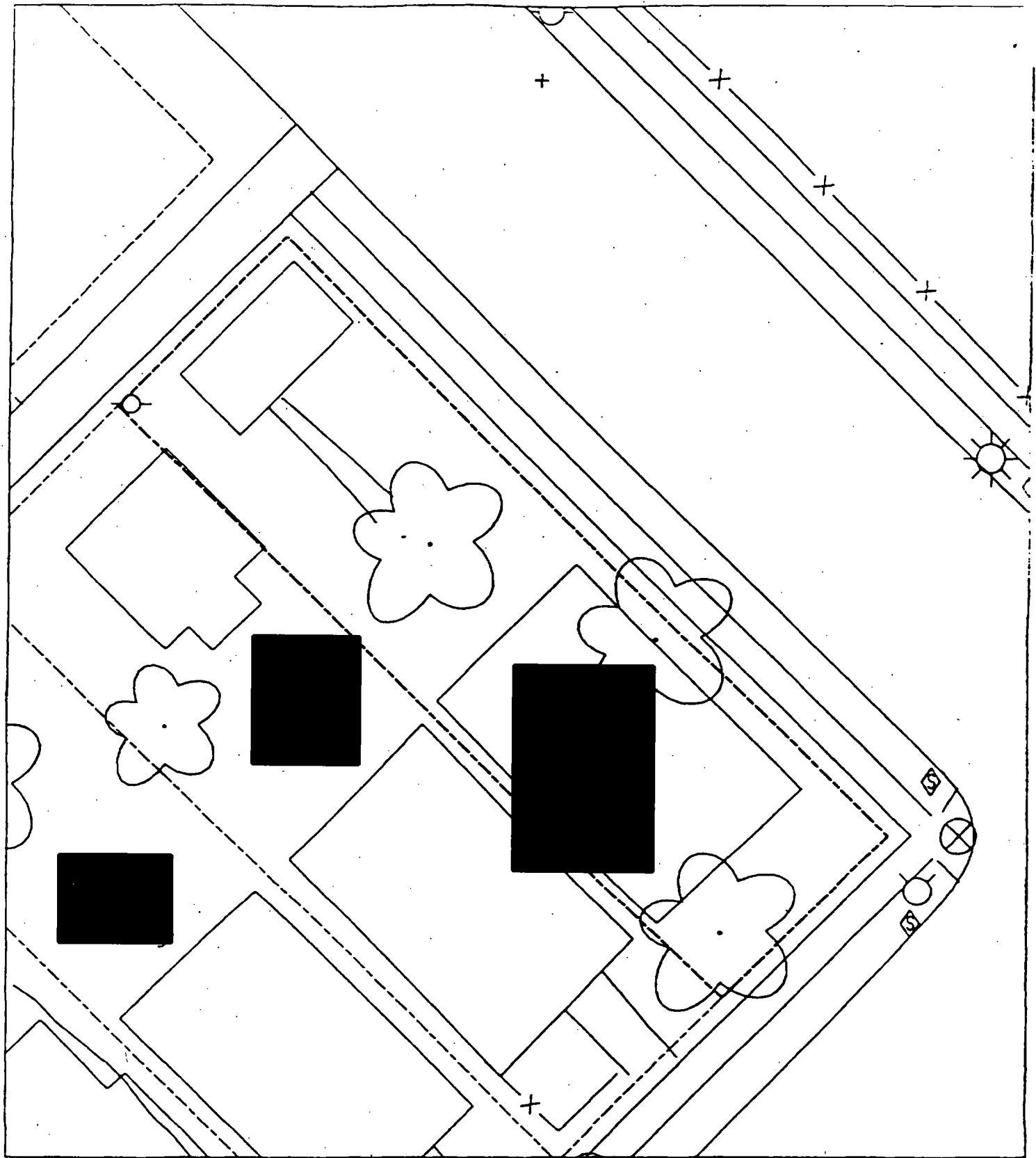
B	B	B
PPM	PPM	PPM
No.	No.	No.

244 317

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

43 115





Action Date: 9/2/97

Loadout: 9/3/97

Restoration Begins: 9/5/97

Restoration Completed: 9/12/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 60.91 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL	TOPSOIL	CA-6	CA-7	SAND	SOD	CONCI
(TONS)	(LOADS)	(TONS)	(TONS)	(TONS)	(TONS)	CU.YDS.	
79.19		74.31				510	



**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

476      693

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

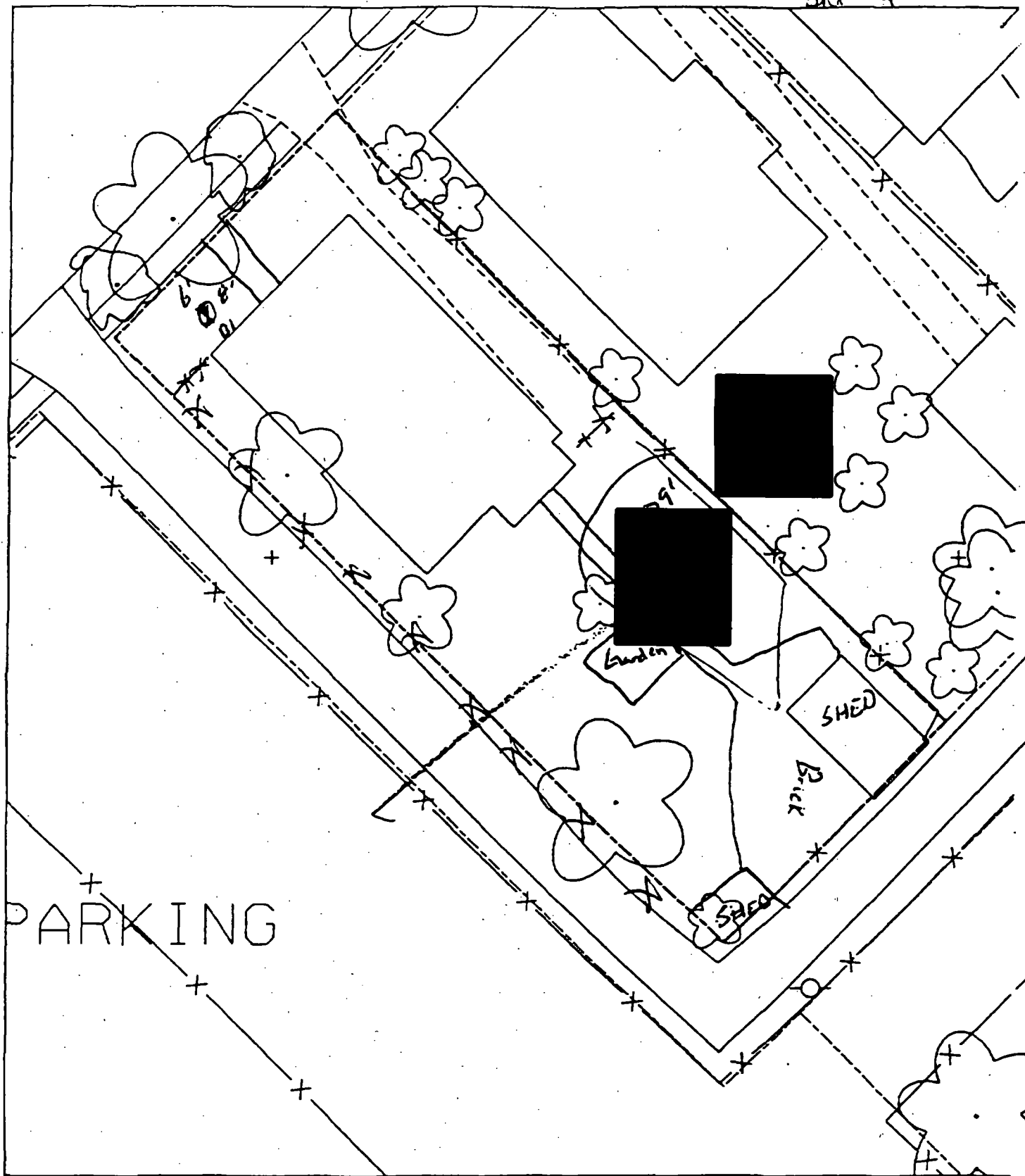
190      404

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

696      85  
 143      69  
 120      261

<b>I</b>
<b>E</b>
<b>(</b>



B1 6' from front wall  
 1 8' from walk into house  
 B2 9' to N fence  
 25' to shed

Horse? Pavement = 60%

4.3.21

  
Action Date: 9/5/97

— Loadout: 9/8/97

Restoration Begins: 9/8/97

Restoration Completed: 9/26/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 47.88 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
62.25		49.5		28.3		300	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



558 377  
 461 286

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

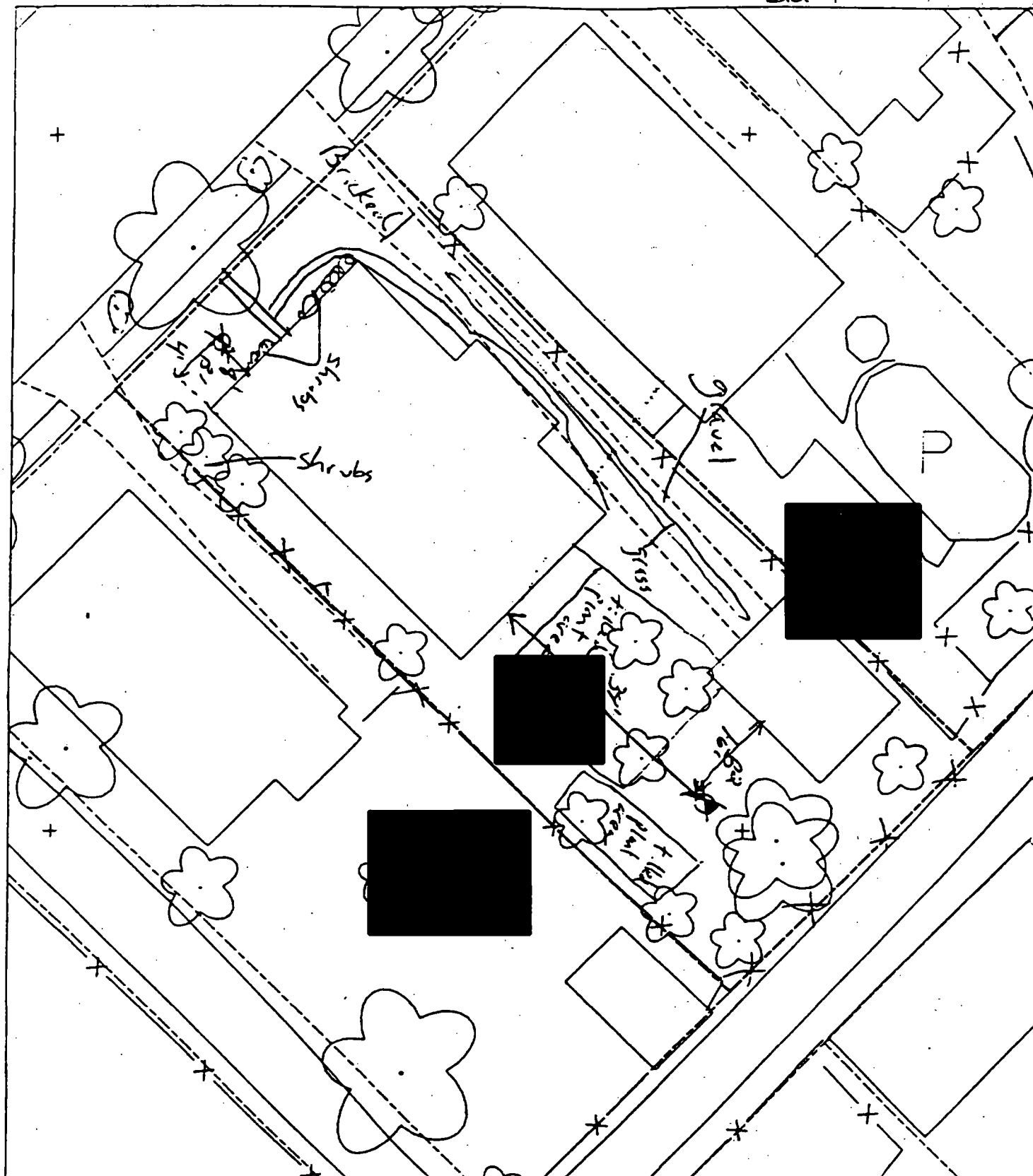
265 409

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

116 363

<b>I</b>



3' - 8' north of house & 4' east of corner of house.

To paved + house ss

16' west of shed & 24' - ...



Action Date: 4/30/97

Loadout: 5/5/97

Restoration Begins: 5/5/97

Restoration Completed: 5/16/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 80.46 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.



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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR

[REDACTED]

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
104.61	1	59.53	44.7	14.7		210	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

[REDACTED]	986	423
	440	260

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

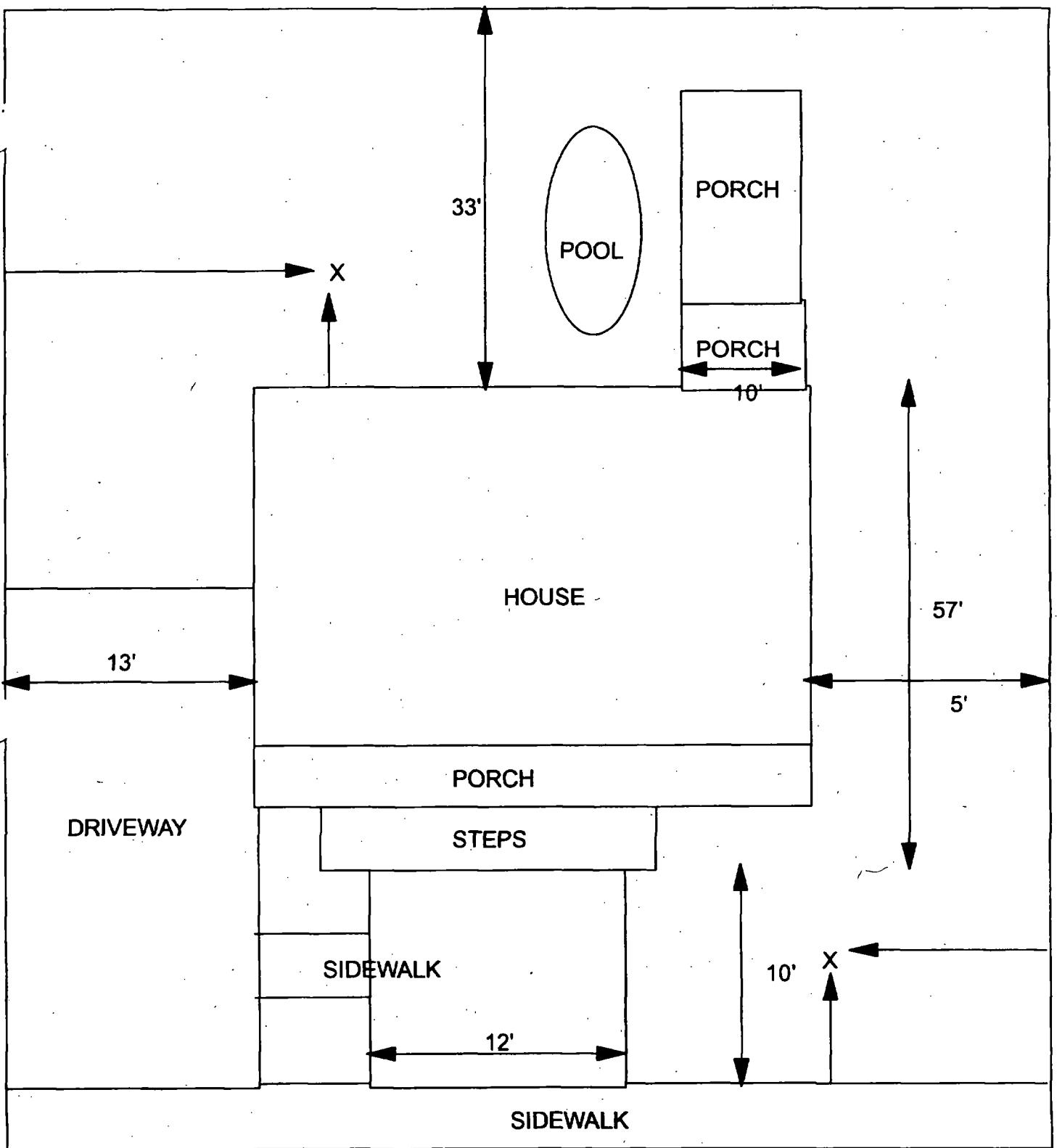
271	504	186
439	400	

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

95	213
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I
E
(



X = SAMPLE POINT

<div style="background-color: black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <b>44' X 100'</b>		<b>OHM Corporation</b> <small>Findlay, Ohio</small>
Drawn By: <b>EDJ</b> Date: <b>7/28/98</b> Scale: <b>NTS</b>	Checked By: Approved By: Drawing No:	

  
Action Date: 8/27/97

Loadout: 8/28/97

Restoration Begins: 8/29/97

Restoration Completed: 9/10/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 47.39 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
61.61	2	15.62	43.55			240	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



**707**      **416**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**752**      **479**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**474**      **383**

70 paved + loose  
75-80.

B<sup>2</sup> - 8' south of house & 6' east of fence.



Action Date: 9/30/97

Loadout: 10/2/97

Restoration Begins: 10/2/97

Restoration Completed: 10/16/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 117.20 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm



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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
152.36	8	52.21	29.7	13.6		360	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

431

690

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

282

555

174

160

352

586

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

690

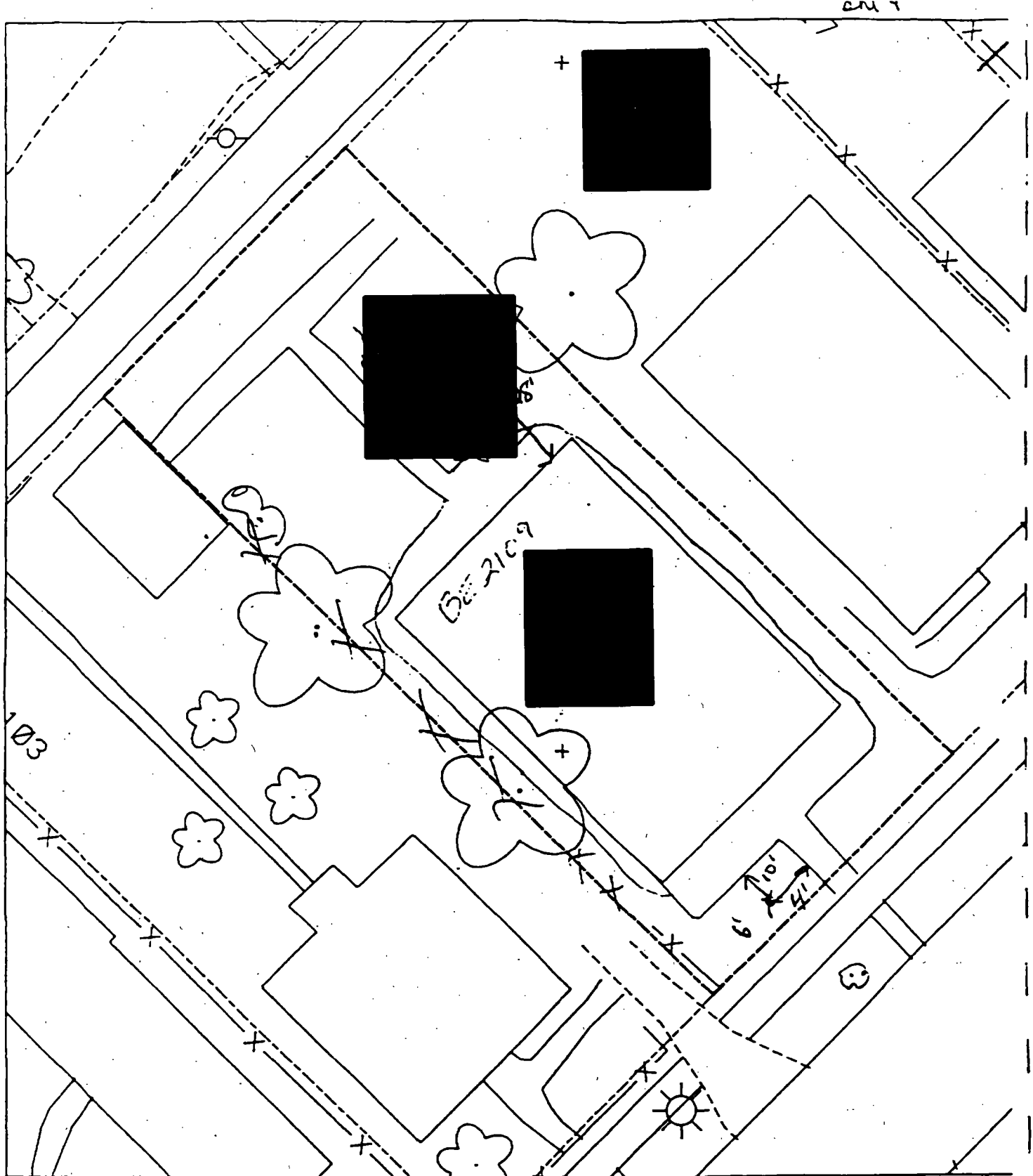
254

63

57

418

410



DPLA 2115 19-13-20-1101-027 LOT 4  
 2113 13-20-401-027 LOT 4  
 2103 13-20-401-029 LOT 2  
 2101 401-030 LOT 1

7' paved 45.507.

B<sup>1</sup> - 10' south of sidewalk & 41  
 B<sup>2</sup> - 4' east of sidewalk & 28' north  
 I h...



Action Date: 4/14/97

Loadout: 4/15/97

Restoration Begins: 4/15/97

Restoration Completed: 5/8/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 118.30 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

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OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
153.8	8	74.37				420	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

472 1380

**3 - 6" Front and Back**

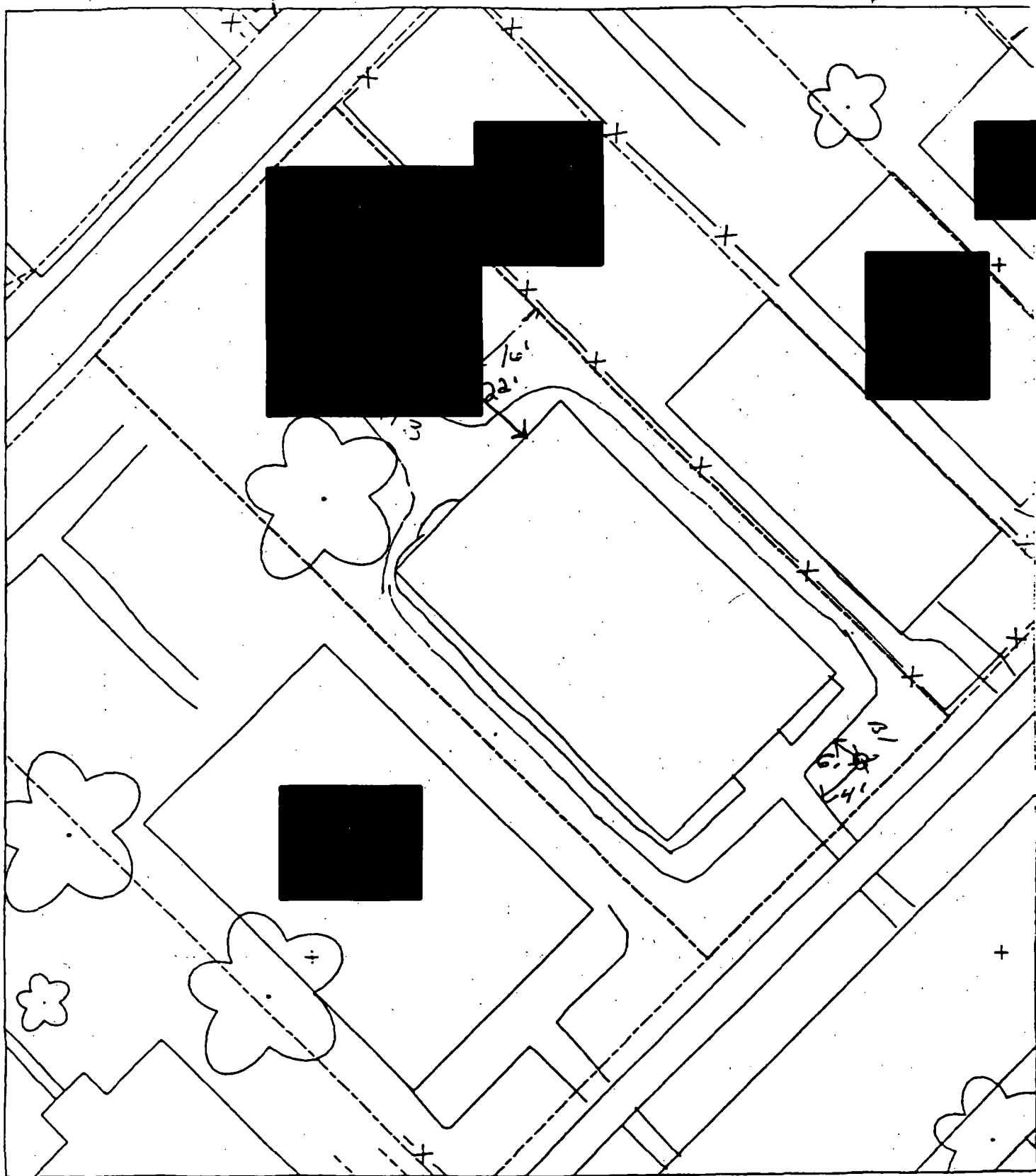
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

427 3100

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

291 546  
 170 842



B' - 6' south of ~~house~~ sidewalk  
 4' east  
 of sidewalk.

70 paved 4596

B2 - 16' west of fence & 22' north of house.



Action Date: 5/27/97

Loadout: 5/28/97

Restoration Begins: 5/28/97

Restoration Completed: 6/13/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 30.5 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Schneider-turf farm

**EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
39.65	2	14.02	13.45	14.1		120	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



237    **634**  
 212    438

3 - 6" Front and Back

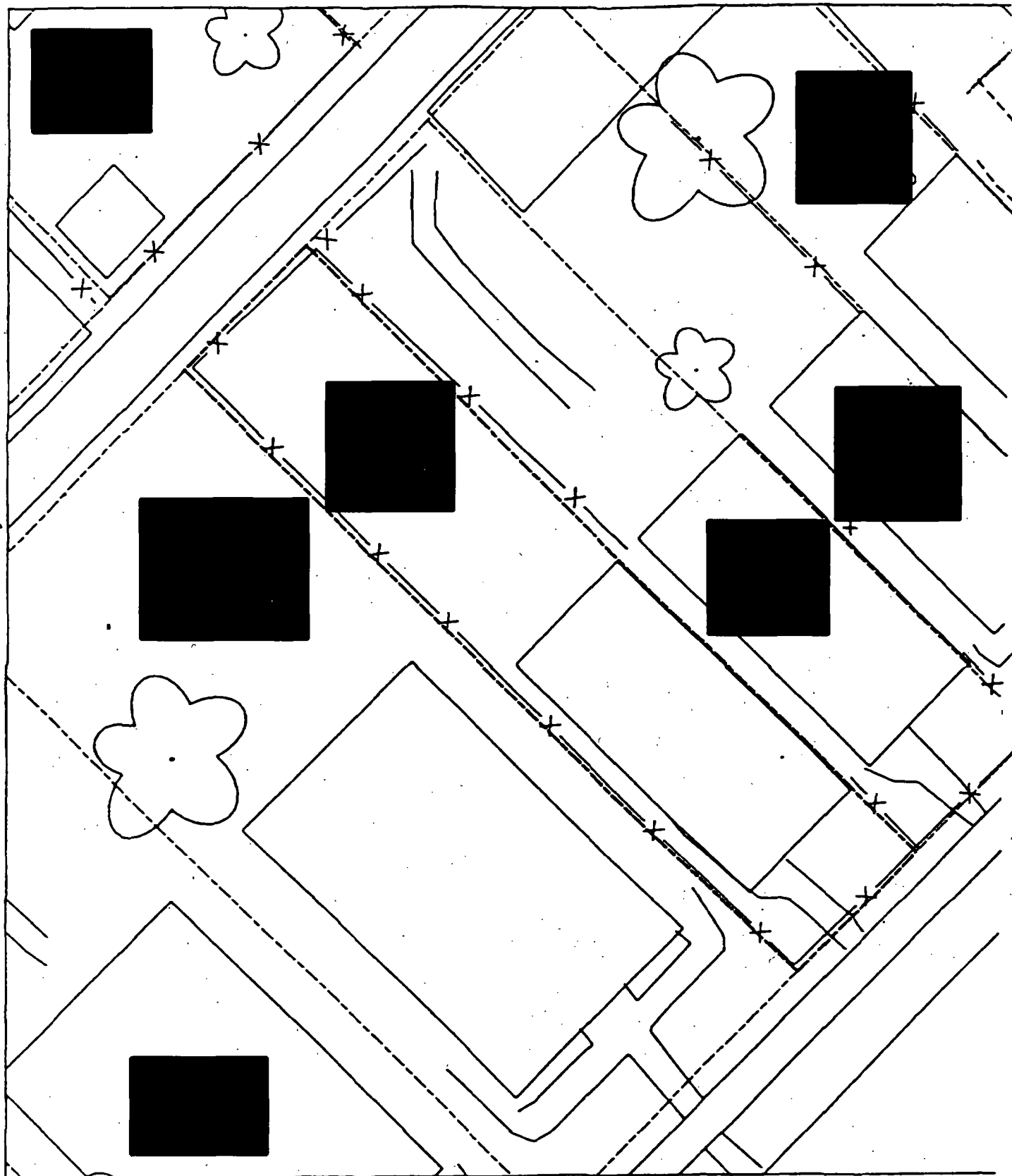
B	B	B
PPM	PPM	PPM
No.	No.	No.

270    **571**  
 219    **971**

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

57    191





Action Date: 10/4/97

✓ Loadout: 10/8/97

Restoration Begins: 10/8/97

Restoration Completed: 10/16/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 94.02 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
122.23	1	15.51				240	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



323 303 188

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

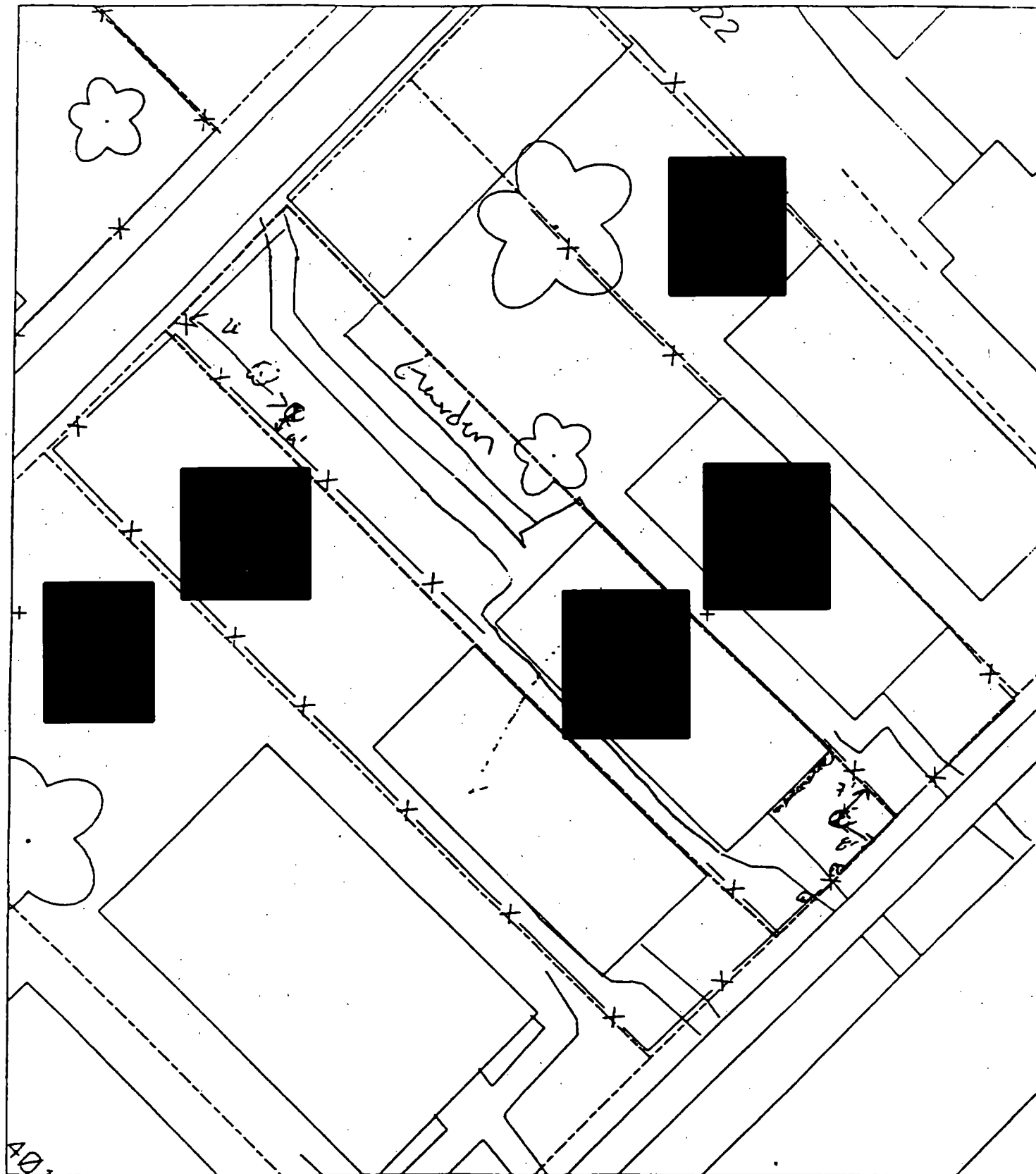
316 218 **542**  
 230 **592**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

116 32 **621**  
 137 **620**





B1 7' S of fence  
8' W of fence

B2 4' N of fence  
20' E of fence

50% Paved



Action Date: 7/10/97

Loadout: 7/11/97

Restoration Begins: 7/12/97

Restoration Completed: 7/23/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 72.66 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
94.46	4	74.34				420	

**Sampling Analysis  
Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

489 583

**3 - 6" Front and Back**

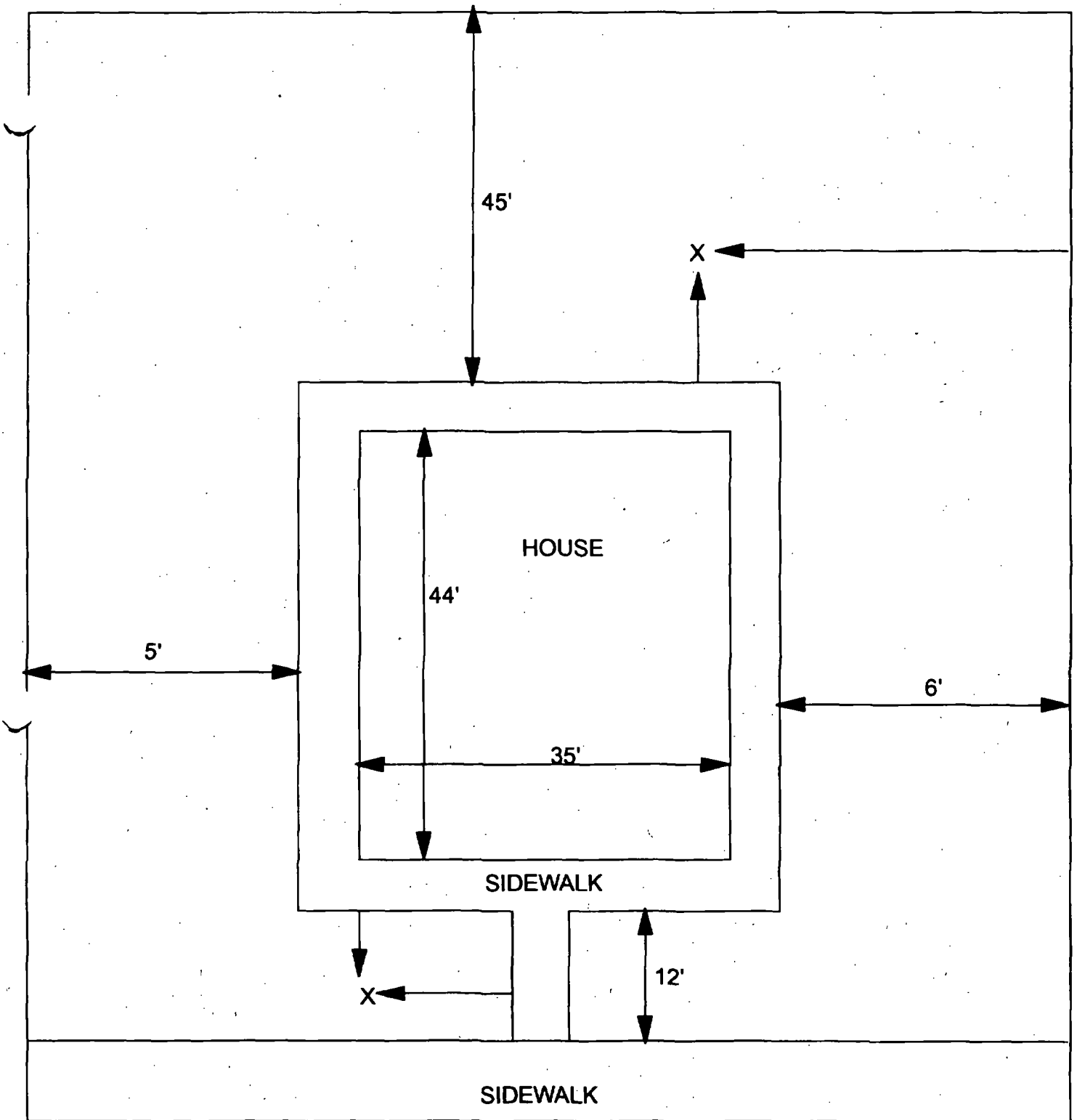
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

337 604  
272 4643


**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

190 58



X = SAMPLE POINT

<div style="background-color: black; width: 100px; height: 20px; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> <div>45' X 101'</div> <div>  <p><b>OHM Corporation</b> Findlay, Ohio</p> </div> </div>	
<div>Drawn By: <b>EDJ</b></div> <div>Date: <b>7/29/98</b></div> <div>Scale: <b>NTS</b></div>	<div>Checked By:</div> <div>Approved By:</div> <div>Drawing No:</div>

  
Action Date: 10/4/97

Loadout: 10/9/97

Restoration Begins: 10/9/97

Restoration Completed: 10/21/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 47.75 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
62.08		16				180	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

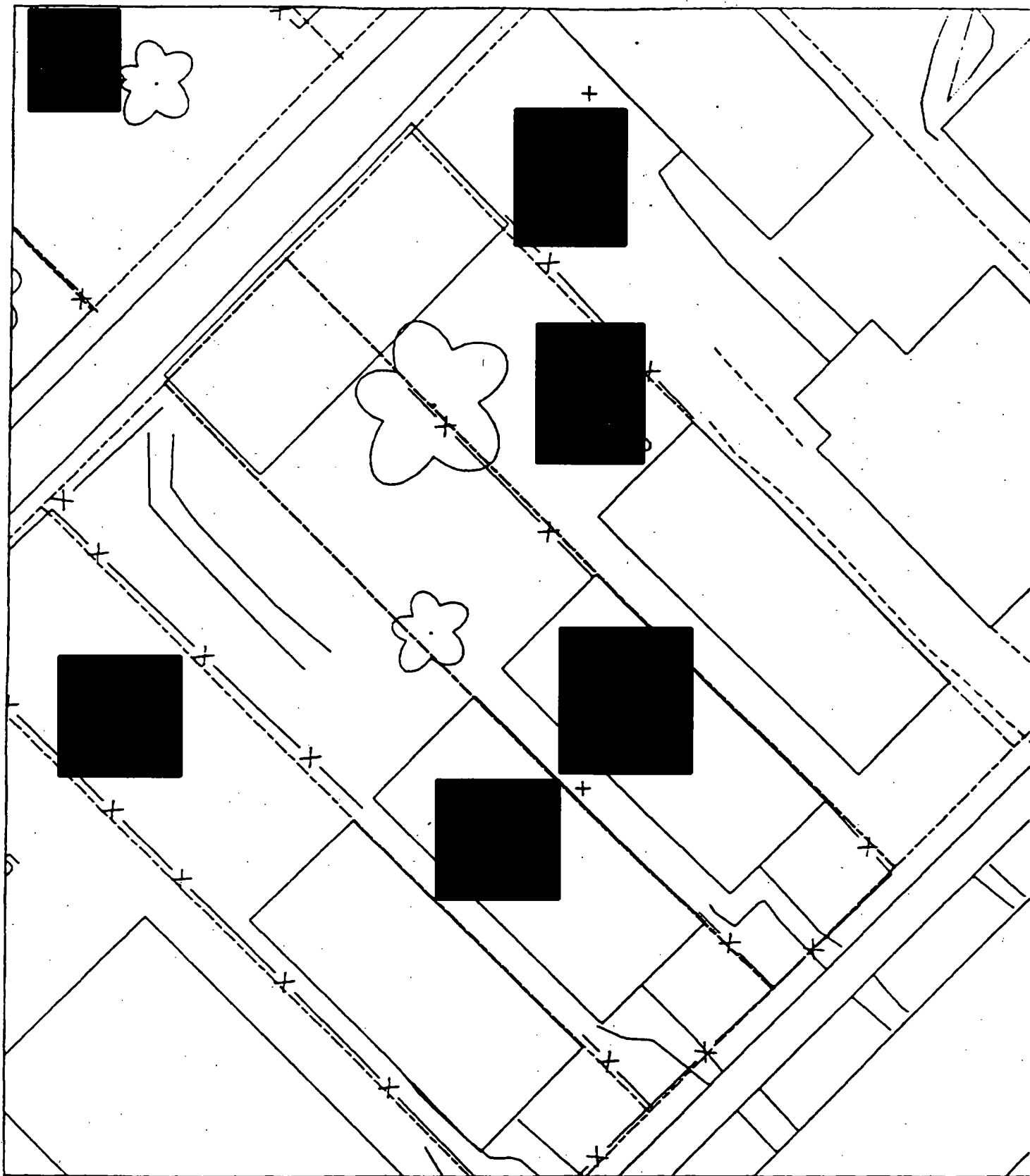


338 745  
 699 774

415 455

148 325







Action Date: 12/15/97

Loadout: 12/16/97

Restoration Begins: 12/16/97

Restoration Completed: 12/18/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 29.89 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
38.86	3			15.3		180	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

345 541

**3 - 6" Front and Back**

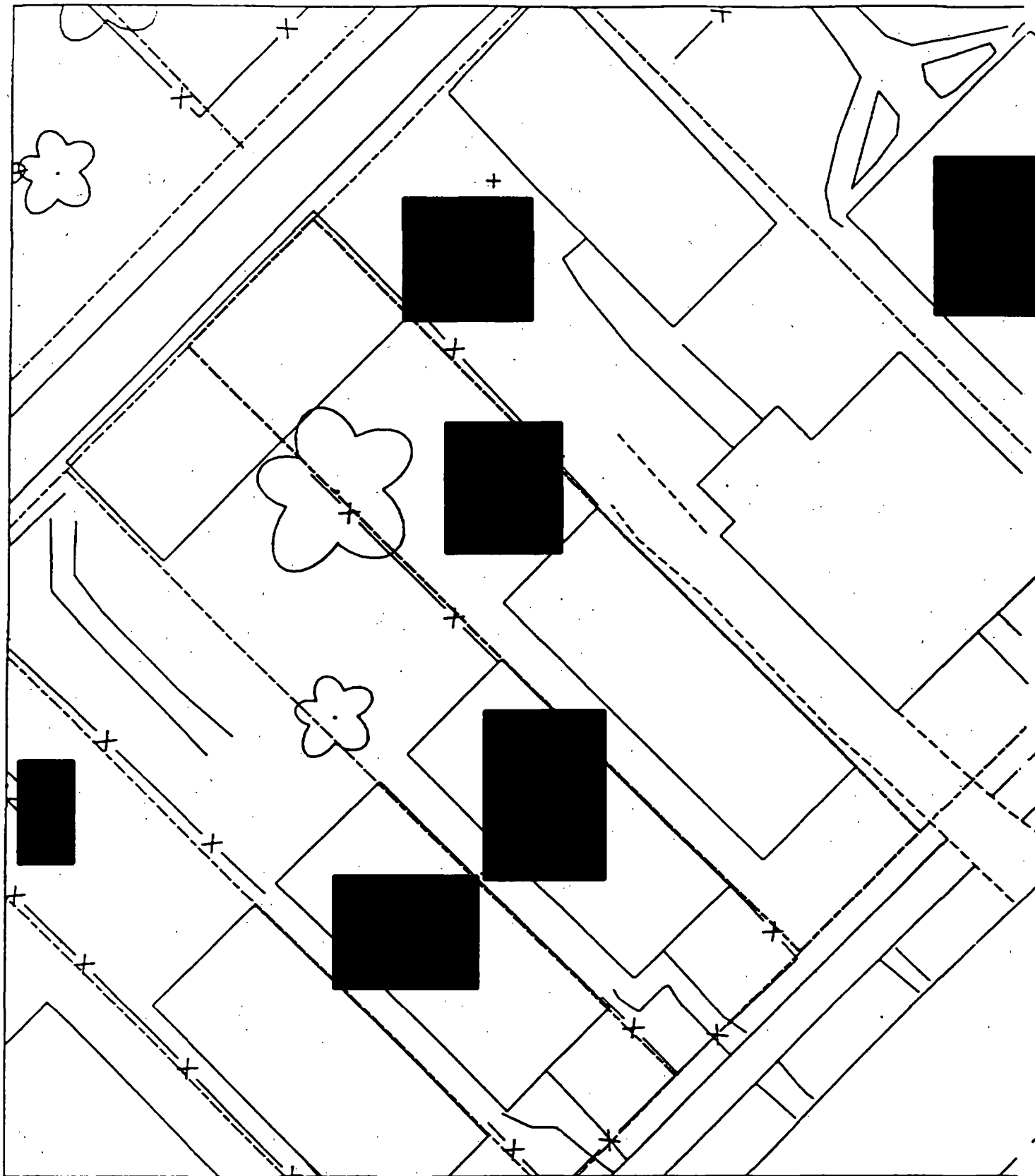
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

510 464

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

109 360



alt 6



Action Date: 5/4/97

Loadout: 5/16/97

Restoration Begins: 5/17/97

Restoration Completed: 6/4/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 123.86 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
161.02	6	68.34	76.59			660	



**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

399  
178 415

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

383  
246 590  
208 630

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

141  
46 377

All gravel in backyard.

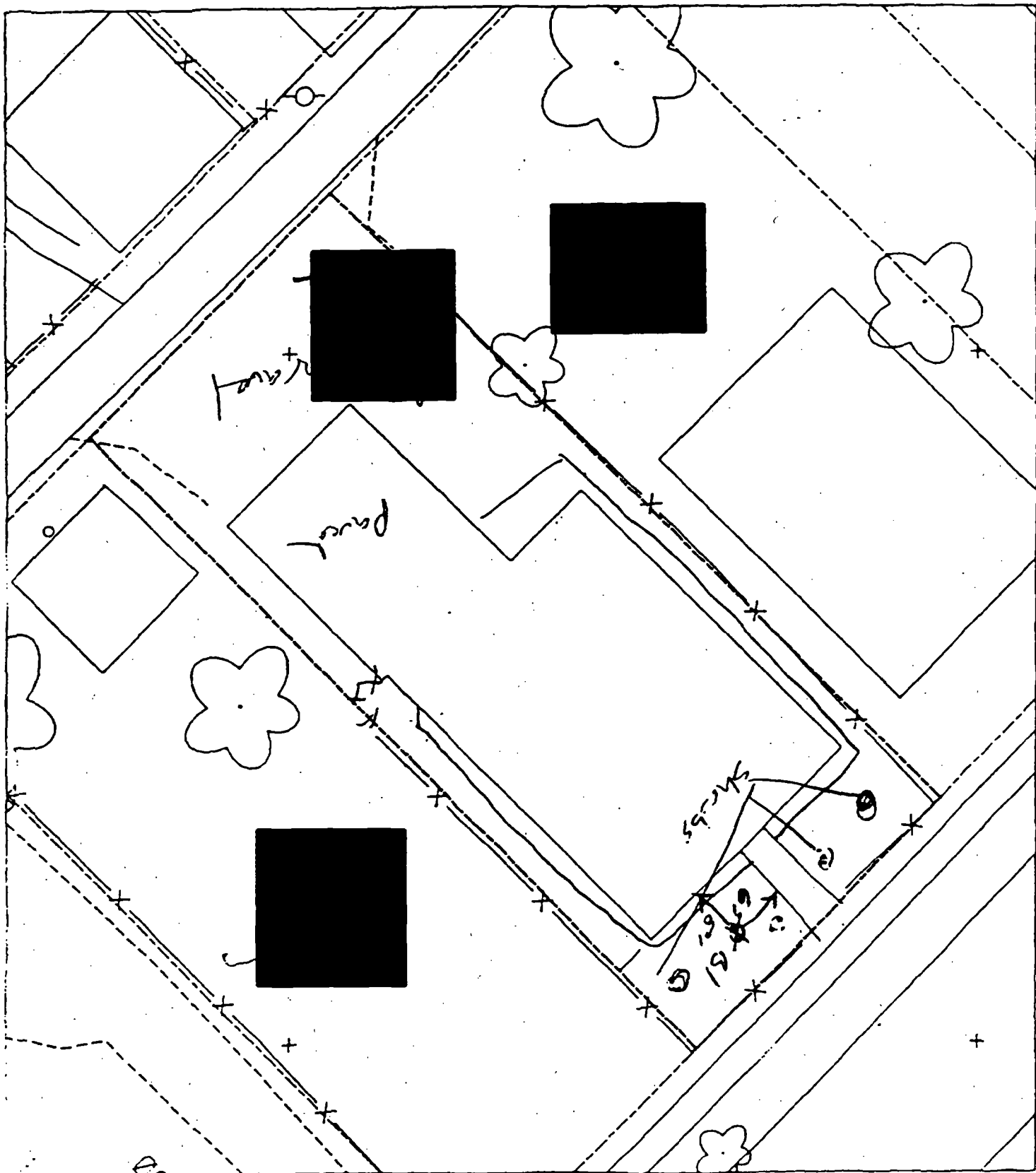
82-

6' east of sidewalk,  
8' north of house.

81-

No post 8590

alt 62



alt 4

[REDACTED]

Action Date: 5/1/97

Loadout: 5/5/97

Restoration Begins: 5/8/97

Restoration Completed: 5/19/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 32.16 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
41.81				17.55		150	

**Sampling Analysis  
Project #19531**

**Street/Number  
Address**

**0 - 3" Front and Back**

<b>A</b>	<b>A</b>	<b>A</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

429      586

**3-6" Front and Back**

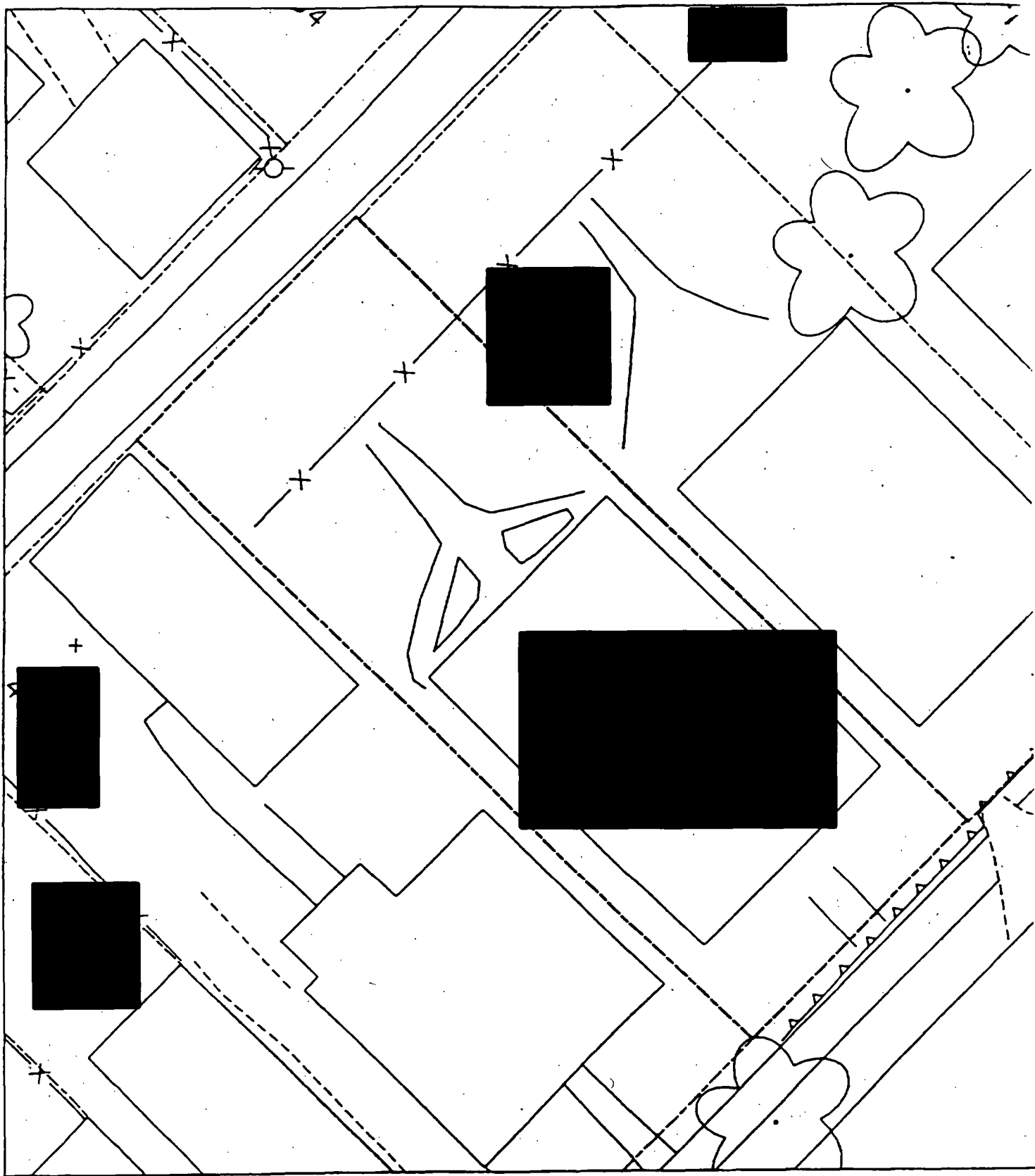
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

480      472

**6-12" Front and**

<b>C</b>	<b>C</b>	<b>I</b>
<b>PPM</b>	<b>PPM</b>	
<b>No.</b>	<b>No.</b>	

312      159





Action Date: 5/1/97

Loadout: 5/5/97

Restoration Begins: 5/5/97

Restoration Completed: 5/19/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 39.55 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm



### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
51.42			74.45	16.25		150	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

560 341  
 309 655

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

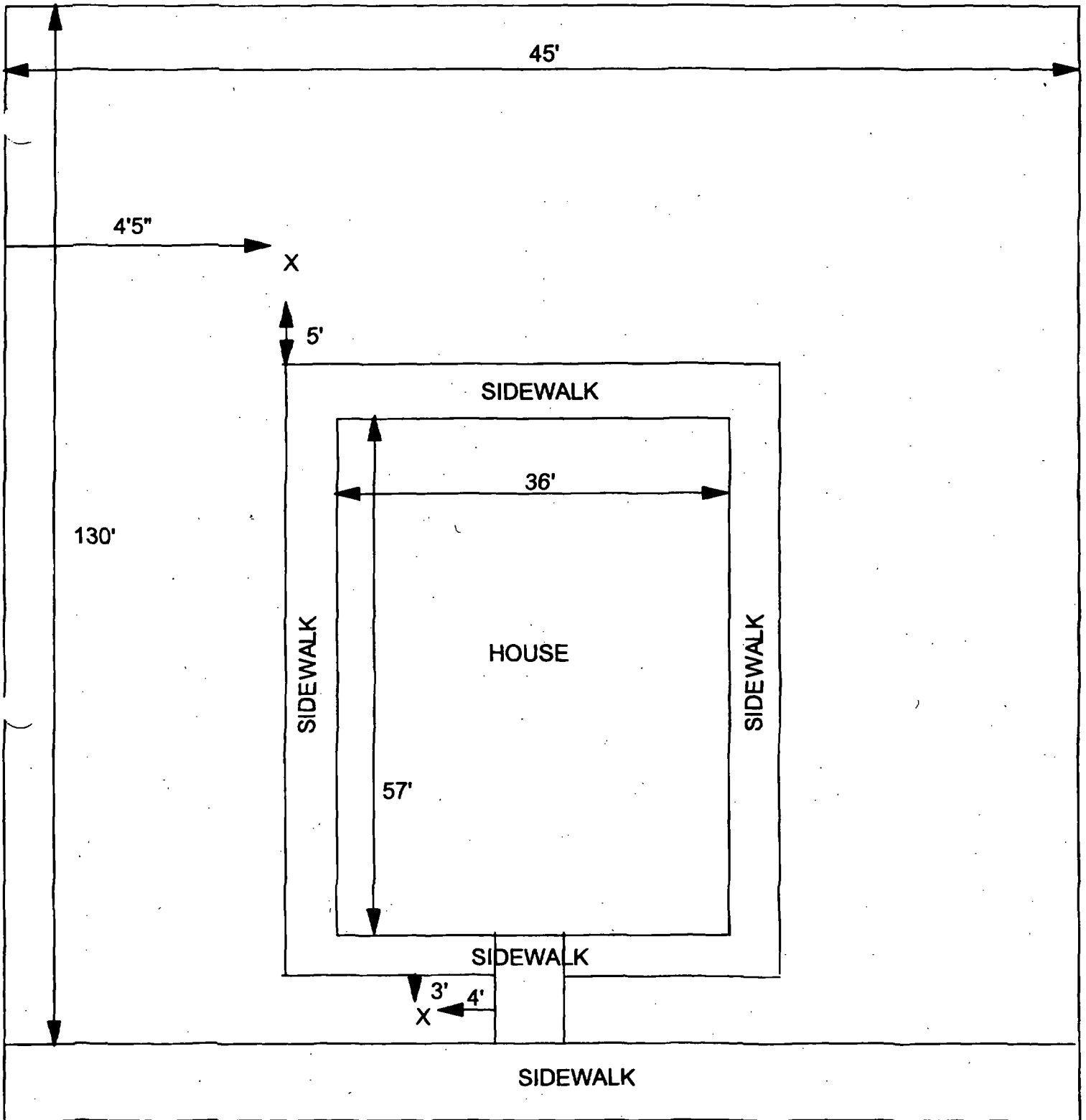
604 243  
 276 389  
 352 699

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

347 61

I
E
(



X = SAMPLE POINT

<b>TOTAL DIMENSIONS 130' X 45'</b>	<b>OHM CORPORATION</b> Findlay, Ohio	
	Drawn By	Checked By
	Date:	Approved By:
	Scale:	Drawing No:

[REDACTED]

Action Date: 5/1/97

Loadout: 5/6/97

Restoration Begins: 5/6/97

Restoration Completed: 5/20/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 127.22 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
165.39	10	90.21	28.35			180	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 326 621  
128 330

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

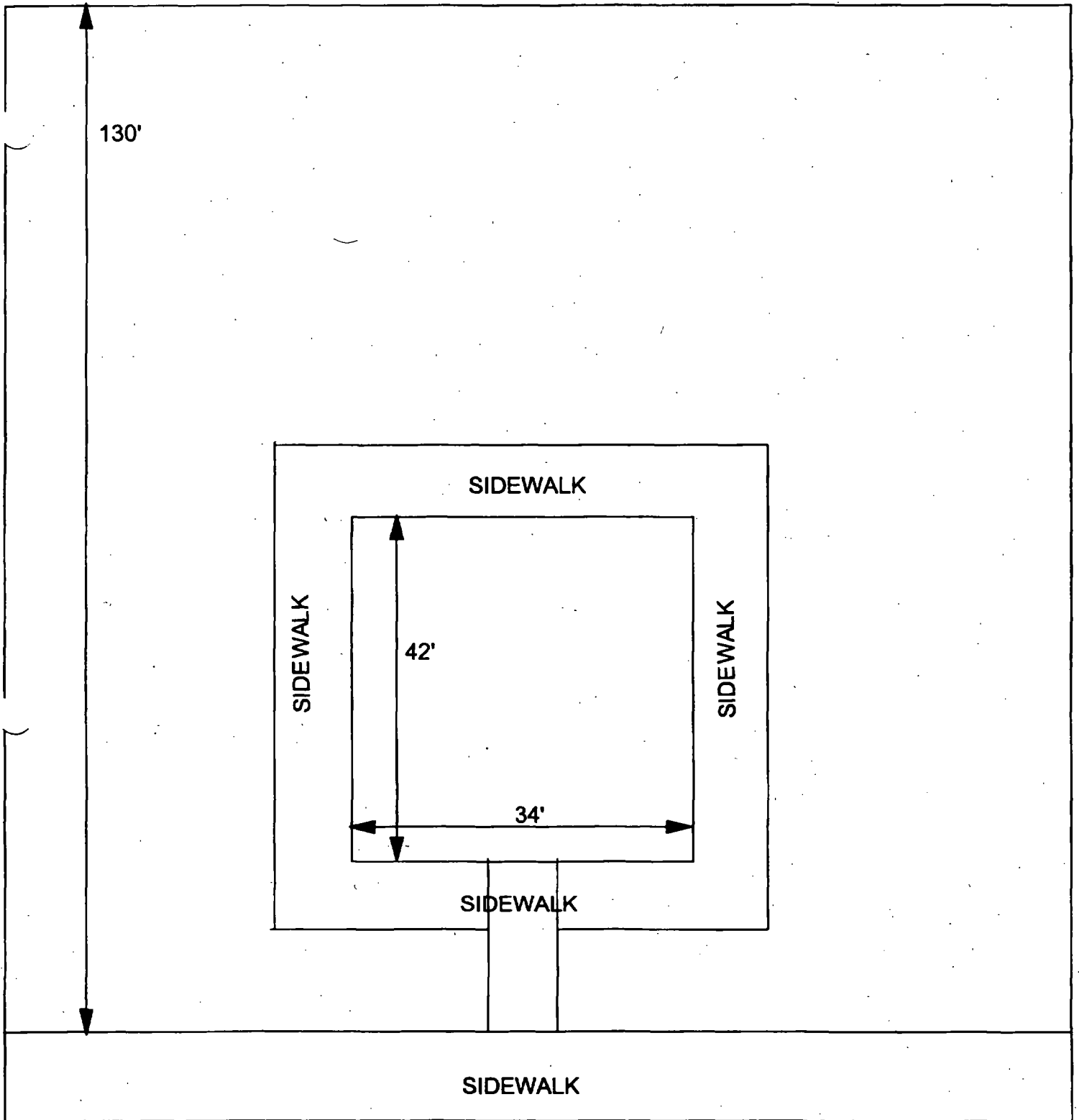
319 318

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

511 207  
497 274





X = SAMPLE POINT

	<b>OHM CORPORATION</b>	
	Findlay, Ohio	
	Drawn By: _____	Checked By: _____
	Date: _____	Approved By: _____
	Scale: _____	Drawing No: _____



Action Date: 5/19/97

Loadout: 5/20/97

Restoration Begins: 5/21/97

Restoration Completed: 6/7/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 126.70 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
164.72	3	151.47	29.3	14.5		444	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



**570      460**

**3 - 6" Front and Back**

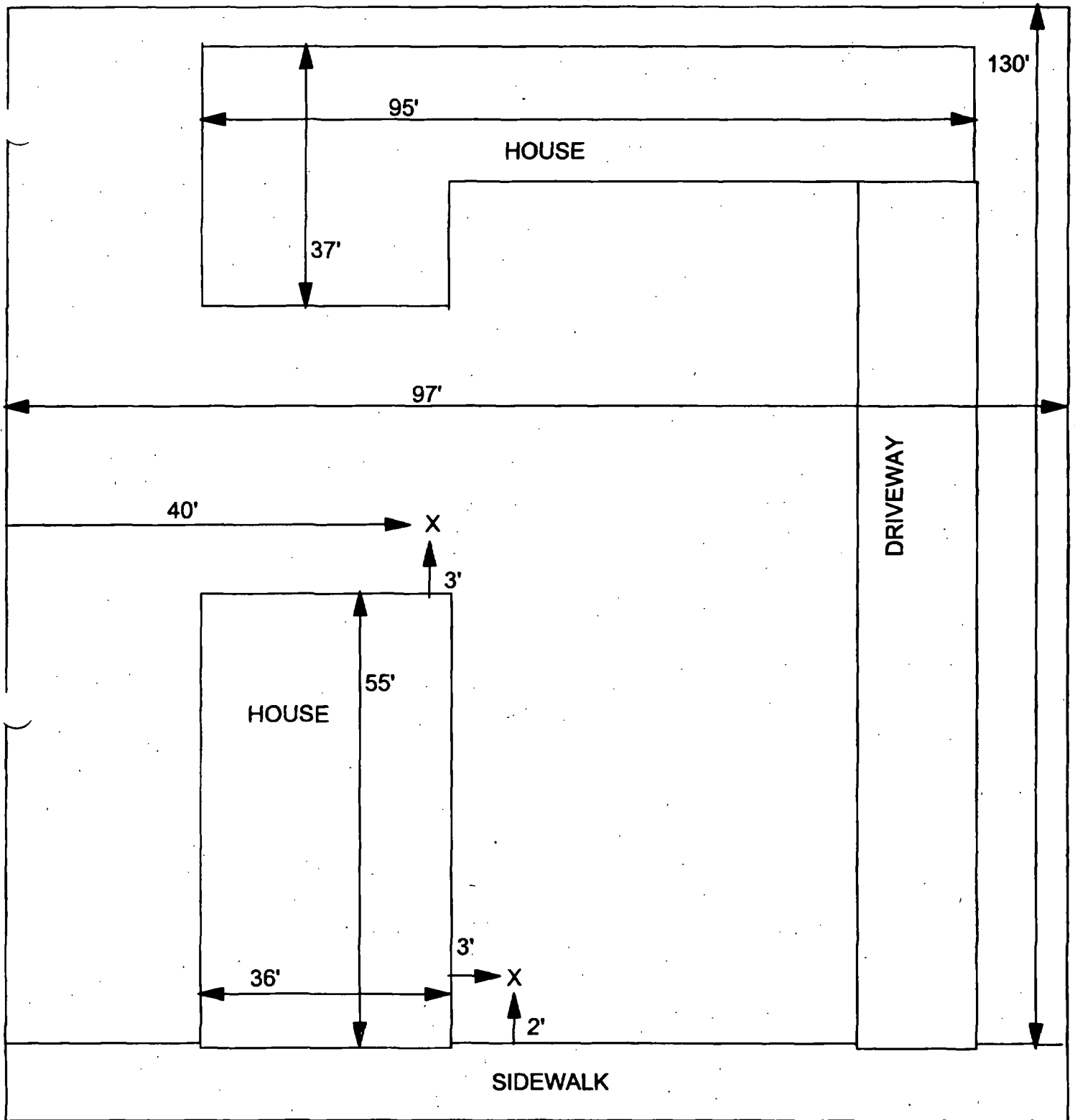
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**530      260**  
**345      232**  
**696      432**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**110      100**



X = SAMPLE POINT

<b>TOTAL DIMENSIONS 130' X 97'</b>	<b>OHM CORPORATION</b> Findlay, Ohio	
	Drawn By:	Checked By:
	Date:	Approved By:
	Scale:	Drawing No:

**[REDACTED]**

Action Date: 7/7/97

✓ Loadout: 7/8/97

Restoration Begins: 7/9/97

Restoration Completed: 7/18/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 57.17 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
74.33	2	63.27	14.35	13.95		317	



**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

██████████ 402 523

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

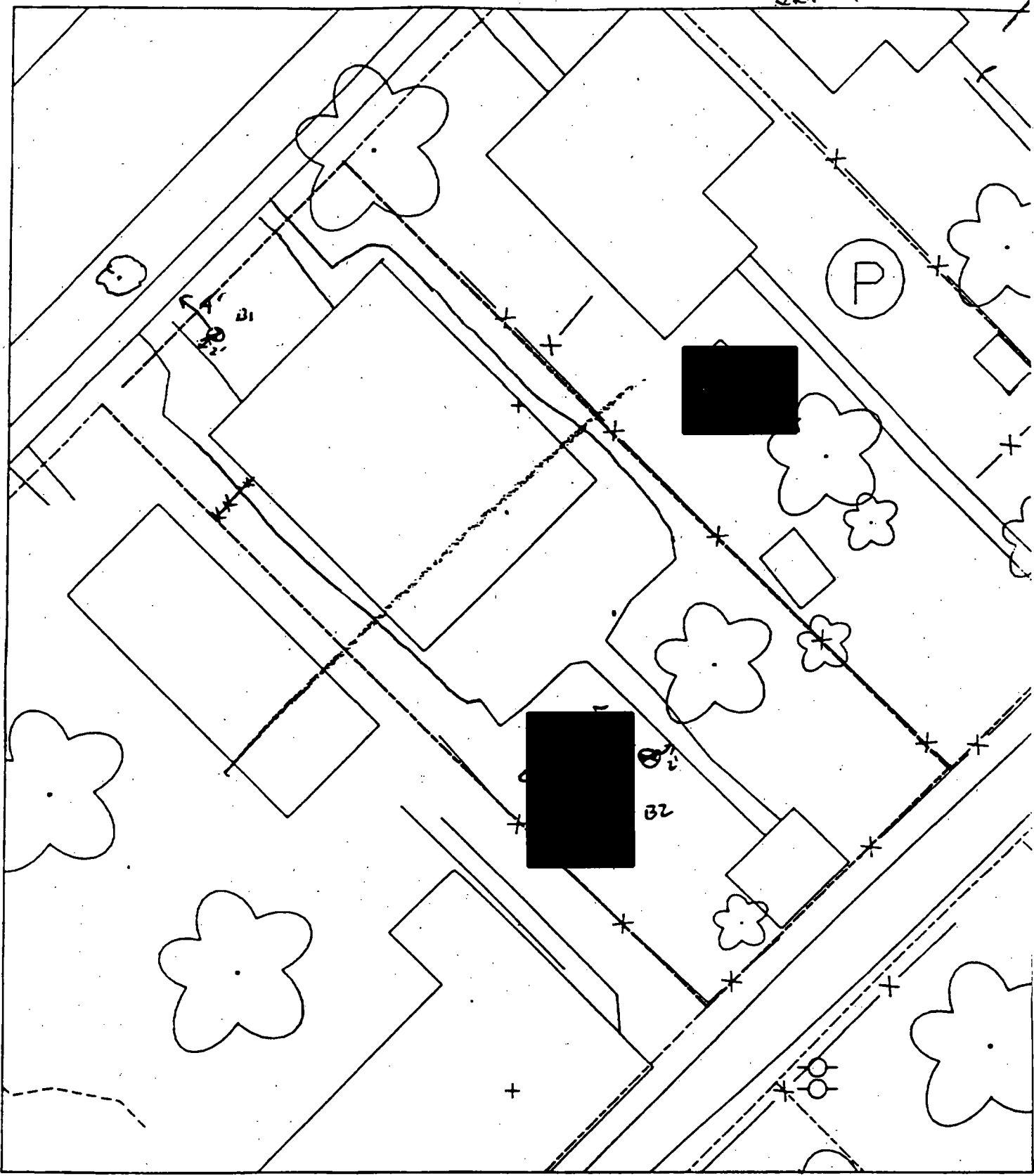
417 618

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

230 157

alt #4



B1 4' from front walk  
2' from walk into house  
B2 32' from house  
2' from walk

House E. pavement = 50%

**Action Date: 5/12/97**

**Loadout: 5/13/97**

**Restoration Begins: 5/14/97**

**Restoration Completed: 5/20/97**

**\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.**

**\*An excavation depth of 6 inches was established by USACE prior to work commencing.**

**\*The excavation of special waste yielded a total of 96.49 cubic yards, which was shipped to WMI-Milam for disposal.**

**\*Equipment utilized during excavation:**

**\*TL-26**

**\*TCM**

**\*17-KW**

**\*X331**

**\*Subcontractors:**

**\*WMI-landfill**

**\*B. Garcia-trucking**

**\*Granthum-trucking**

**\*Schneider Turf Farm**

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
125.44	6	31.88		13.5		378	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

[REDACTED]	248	963	218
	514		

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

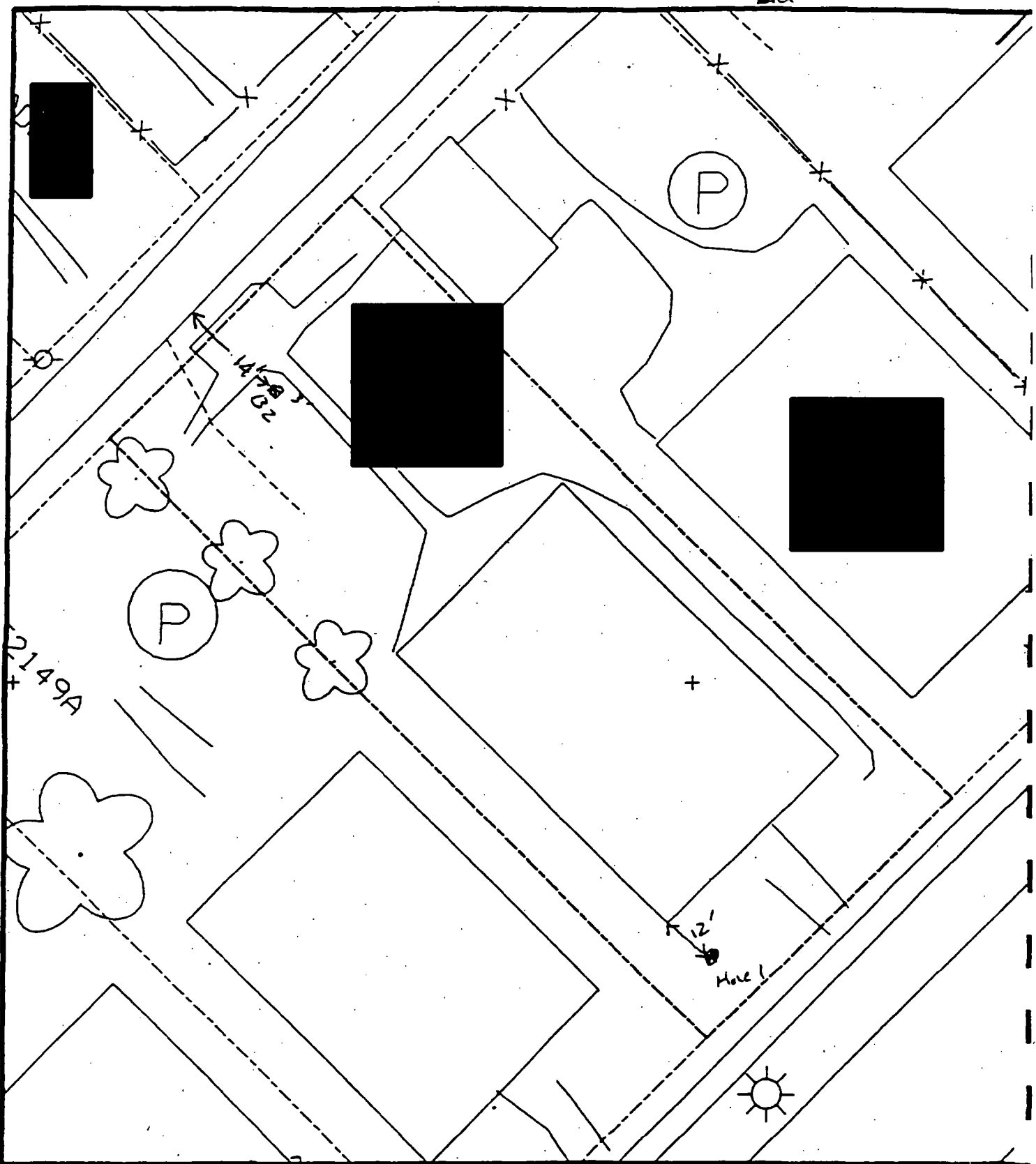
142	814	545
-----	-----	-----

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.


55	186	96
----	-----	----

skt #1



Comments: House & Pavement = 50%

B2 14' from Alley  
3' S from Sidewalk

PRE-DESIGN FIELD INVESTIGATION NL/TARACORP SUPERFUND SITE GRANITE CITY, IL		PROJECT NO. 89MC114
<b>Woodward-Clyde Consultants</b> 		
Engineering & sciences applied to the earth & its environment		
DRN. BY:	2153 RENTON ST	Resident ID N RF2153

Scale: 1" = 20 ft



Action Date: 5/28/97

Loadout: 5/29/97

Restoration Begins: 5/29/97

Restoration Completed: 6/5/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 64.65 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm



### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR

(

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
84.05	3	74.87	14.8			444.5	

**Sampling Analysis  
Project #19531**

**Street/Number  
Address**



**0 - 3" Front and Back**

<b>A</b>	<b>A</b>	<b>A</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

353	555	380
9536	373	

**3-6" Front and Back**

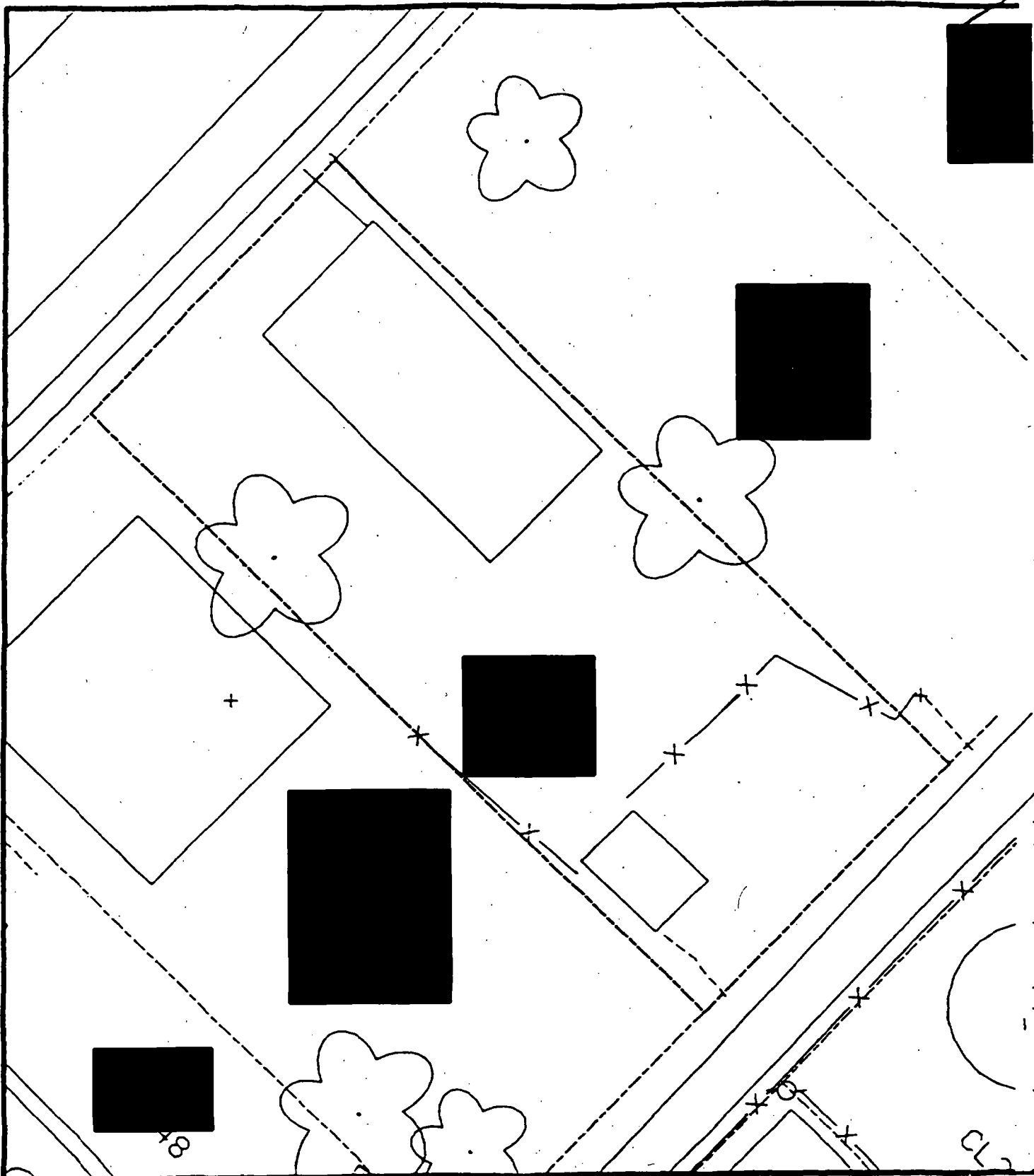
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

183	524	331
406	604	

**6-12" Front and**

<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>

61	257
----	-----



Comments:



Scale: 1 in. = 20 ft.

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

OWN BY:

1550 BENTON ST.

Resident ID:

DEVELOP



Action Date: 5/29/97

Loadout: 6/2/97

Restoration Begins: 6/2/97

Restoration Completed: 6/3/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 42.24 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
54.92		30.36				190.5	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

**846**

**306**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**44**

**749**

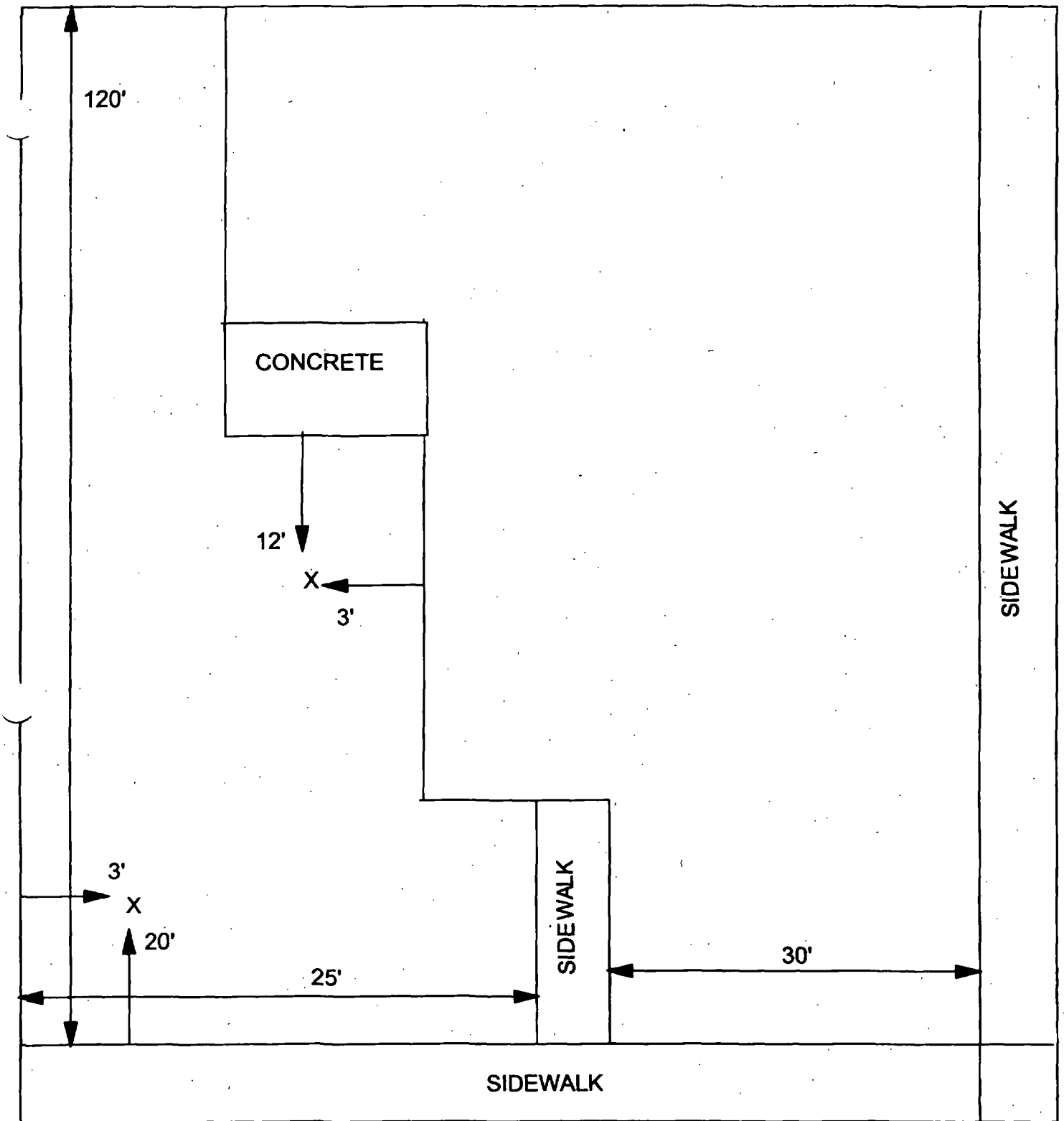
**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**572**

**575**





X = SAMPLE POINT

<b>TOTAL DIMENSIONS</b> 120' X 60'	<b>OHM CORPORATION</b> Findlay, Ohio	
	Drawn By:	Checked By:
	Date:	Approved By:
	Scale:	Drawing No:

**Action Date: 9/8/97**

**Loadout: 9/11/97**

**Restoration Begins: 9/11/97**

**Restoration Completed: 9/29/97**

**\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.**

**\*An excavation depth of 6 inches was established by USACE prior to work commencing.**

**\*The excavation of special waste yielded a total of 229.47 cubic yards, which was shipped to WMI-Milam for disposal.**

**\*Equipment utilized during excavation:**

**\*TL-26**

**\*TCM**

**\*X331**

**\*17-KW**

**\*Subcontractors:**

**\*WMI-landfill**

**\*B. Garcia-trucking**

**\*Grantham-trucking**

**\*Schneider-turf farm**

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
298.32	5	108.05	76.55	25.35		540	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 748 198

3 - 6" Front and Back

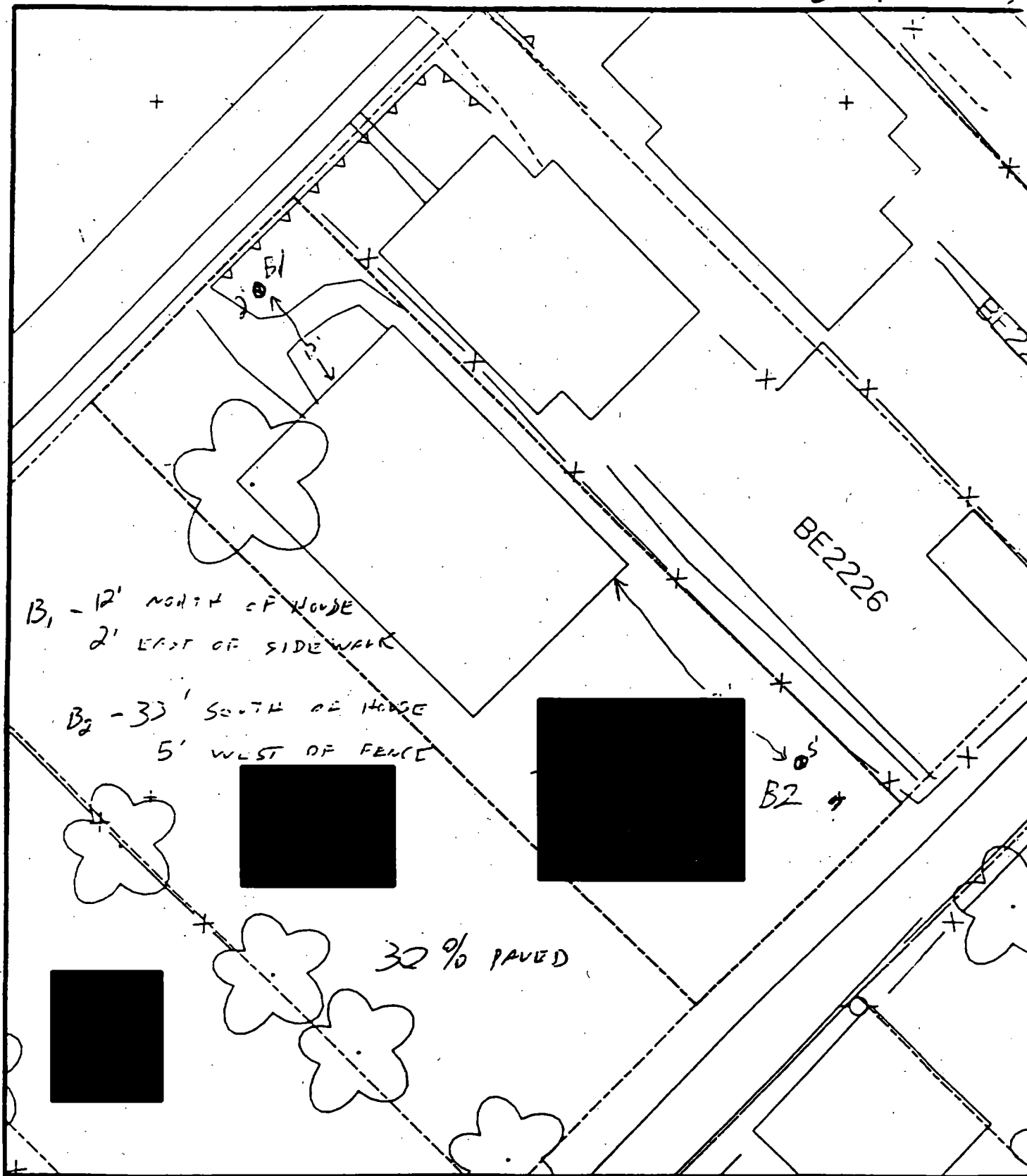
B	B	B
PPM	PPM	PPM
No.	No.	No.

574 540

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

226 365



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.

89/MCII4V

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No



Action Date: 9/2/97

— Loadout: 9/4/97

Restoration Begins: 9/4/97

Restoration Completed: 9/26/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 82.88 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Sod Farm

(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
107.75	6	42	44.4	14.6		240	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

[REDACTED]

527

533

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

404

660

6 - 12" Front and Back

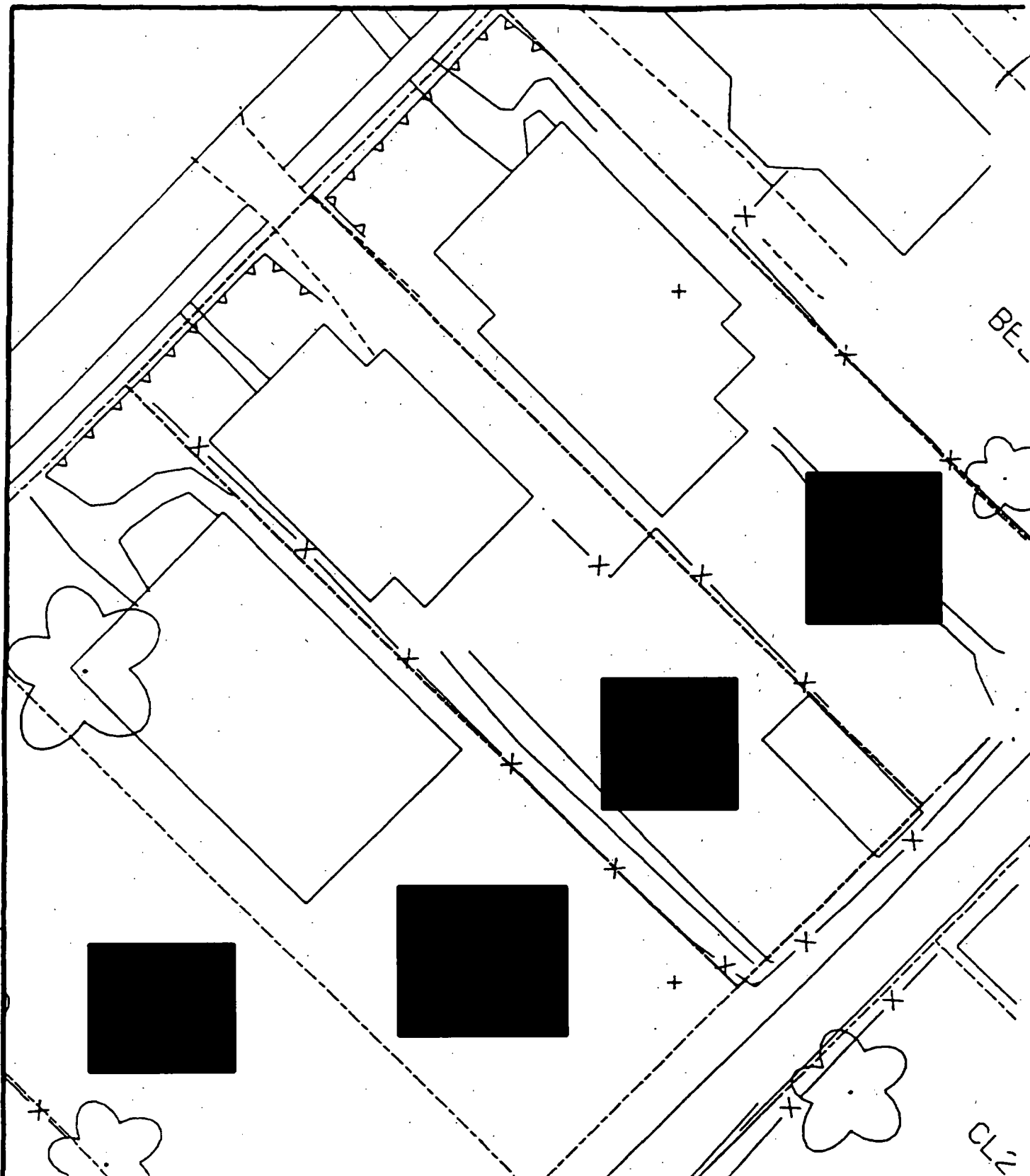
C	C	C
PPM	PPM	PPM
No.	No.	No.

47

337

I





Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
B9MCII

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.

[REDACTED]

Action Date: 9/2/97

Loadout: 9/3/97

Restoration Begins: 9/5/97

Restoration Completed: 9/26/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 46.76 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Sod Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
60.8		58.85				360	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 700 689

**3 - 6" Front and Back**

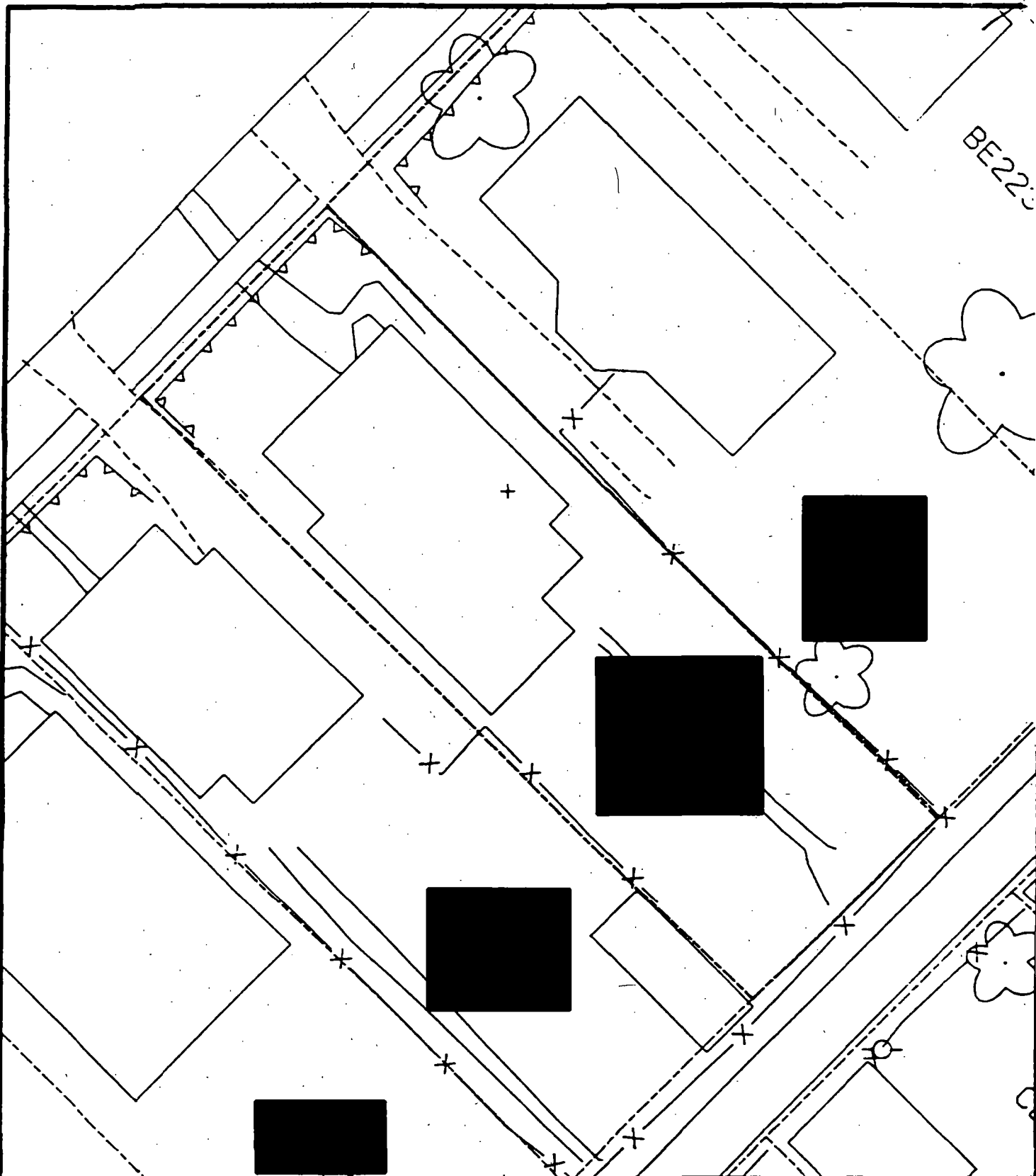
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

226 337

**6 - 12" Front and Back**

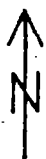
<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

83 154



BE223

Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4V

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.

0000 BENTON ST

850000



Action Date: 5/11/98

Loadout: 5/14/98

Restoration Begins: 5/13/98

Restoration Completed: 5/19/98

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 42.30 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
55	4		30.5	27.1		360	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 886 192  
778 1182

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

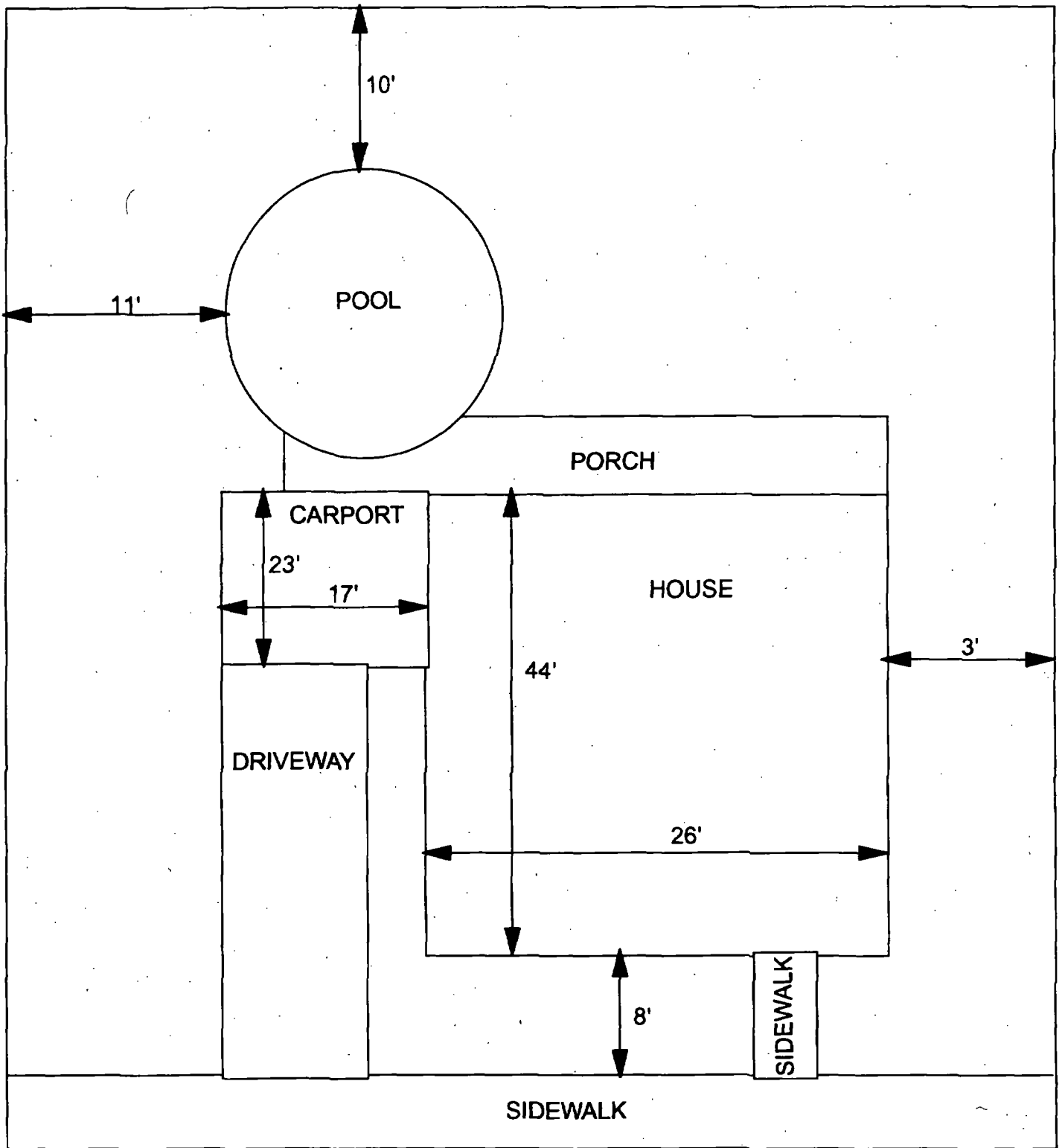
217 104

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

47 47





X = SAMPLE POINT

57' X 104'

**OHM Corporation**  
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:

  
Action Date: 5/15/98

Loadout: 5/16/98

Restoration Begins: 5/18/98

Restoration Completed: 5/21/98

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 49.50 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
64.36	5			14.5		300	

**Sampling Analysis  
Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

  
**555**      **99**  
**375**      **308**  
**1167**      **408**

**3 - 6" Front and Back**

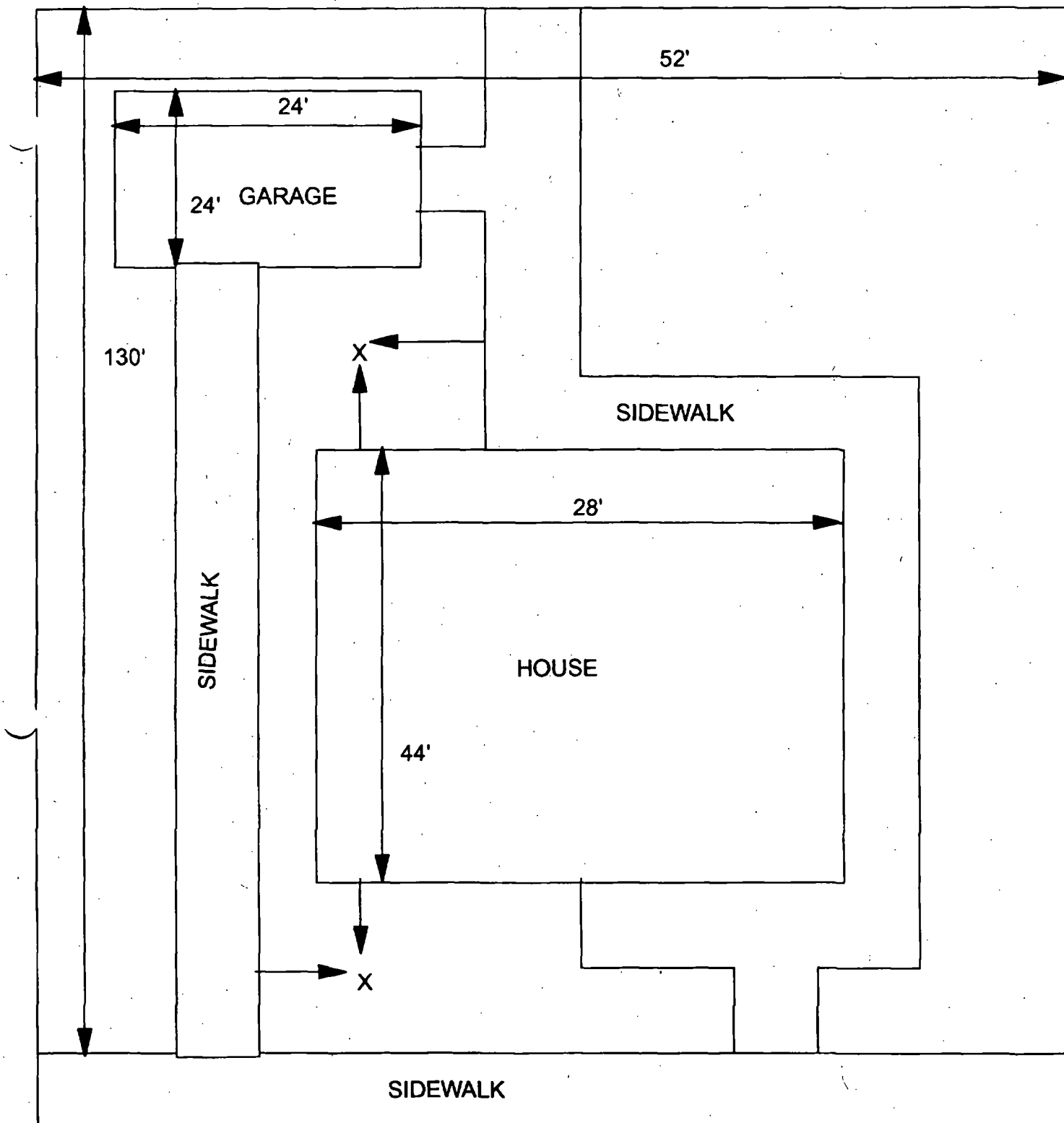
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**87**      **498**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**24**      **238**



X = SAMPLE POINT

52' X 130'

**OHM**  
**Corporation**  
Findlay, Ohio

Drawn By: EDJ	Checked By:
Date: 7/29/98	Approved By:
Scale: NTS	Drawing No:



Action Date: 8/4/97

— Loadout: 8/7/97

Restoration Begins: 8/7/97

Restoration Completed: 8/26/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 30.78 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*Kubota

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Sod Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
40.02		17.33		30.4		60	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 **524**  
**518**     **262**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

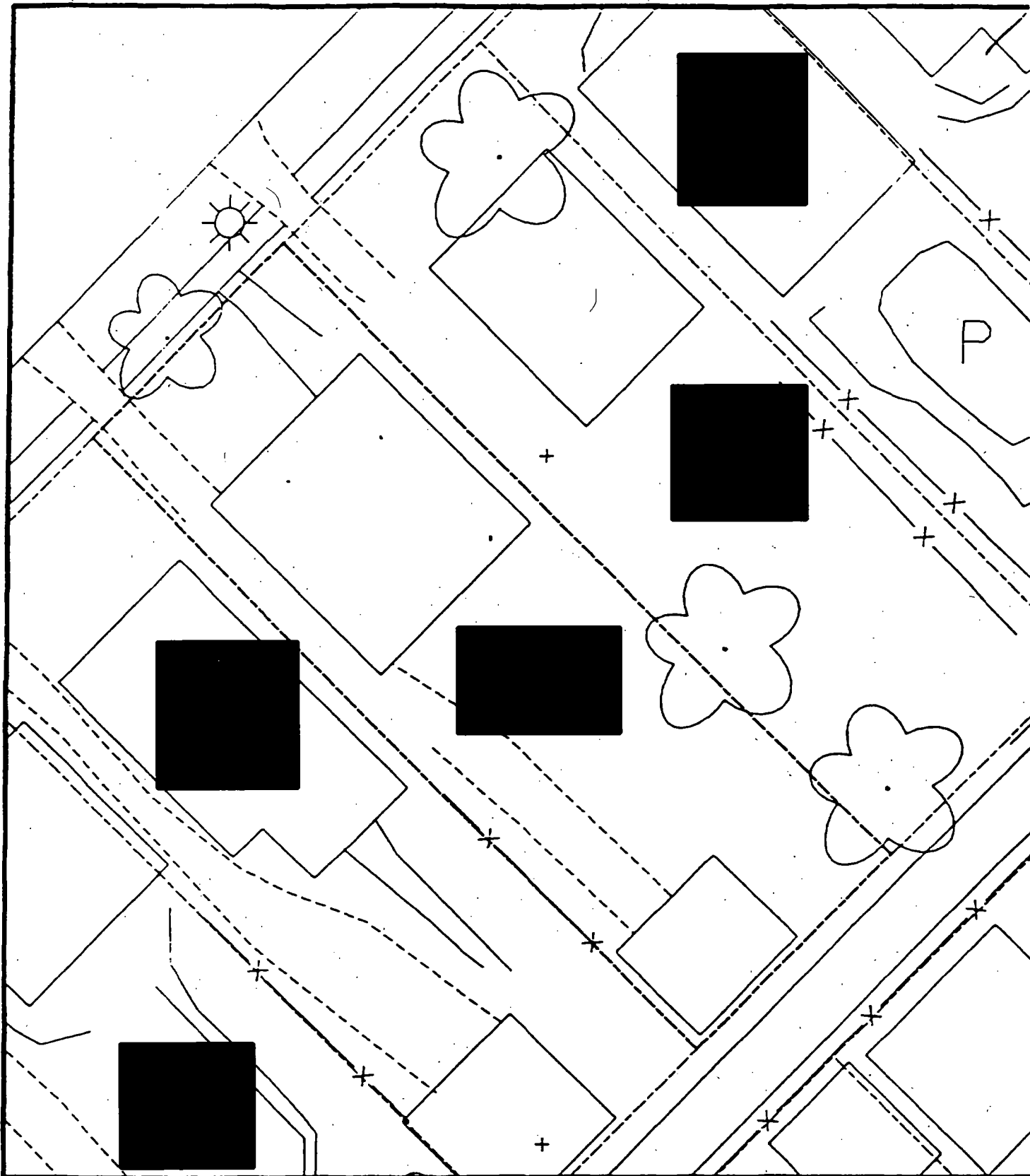
**317**  
**222**     **254**

**6 - 12" Front and Back**

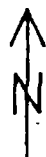
<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**63**  
**34**     **107**





Comments: \_\_\_\_\_



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4V

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

2248 BENTON ST.

Resident ID No.

BE2248

**Action Date: 8/6/97**

**Loadout: 8/8/97**

**Restoration Begins: 8/14/97**

**Restoration Completed: 9/4/97**

**\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.**

**\*An excavation depth of 3 inches was established by USACE prior to work commencing.**

**\*The excavation of special waste yielded a total of 33.16 cubic yards, which was shipped to WMI-Milam for disposal.**

**\*Equipment utilized during excavation:**

**\*TL-26**

**\*TCM**

**\*X331**

**\*KABOTA**

**\*17-KW**

**\*Subcontractors:**

**\*WMI-landfill**

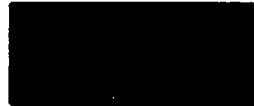
**\*B. Garcia-trucking**

**\*Grantham-trucking**

**\*Emerald-turf farm**

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
43.12		30.75	14.55	14.65		420	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 545 295  
484 183

3 - 6" Front and Back

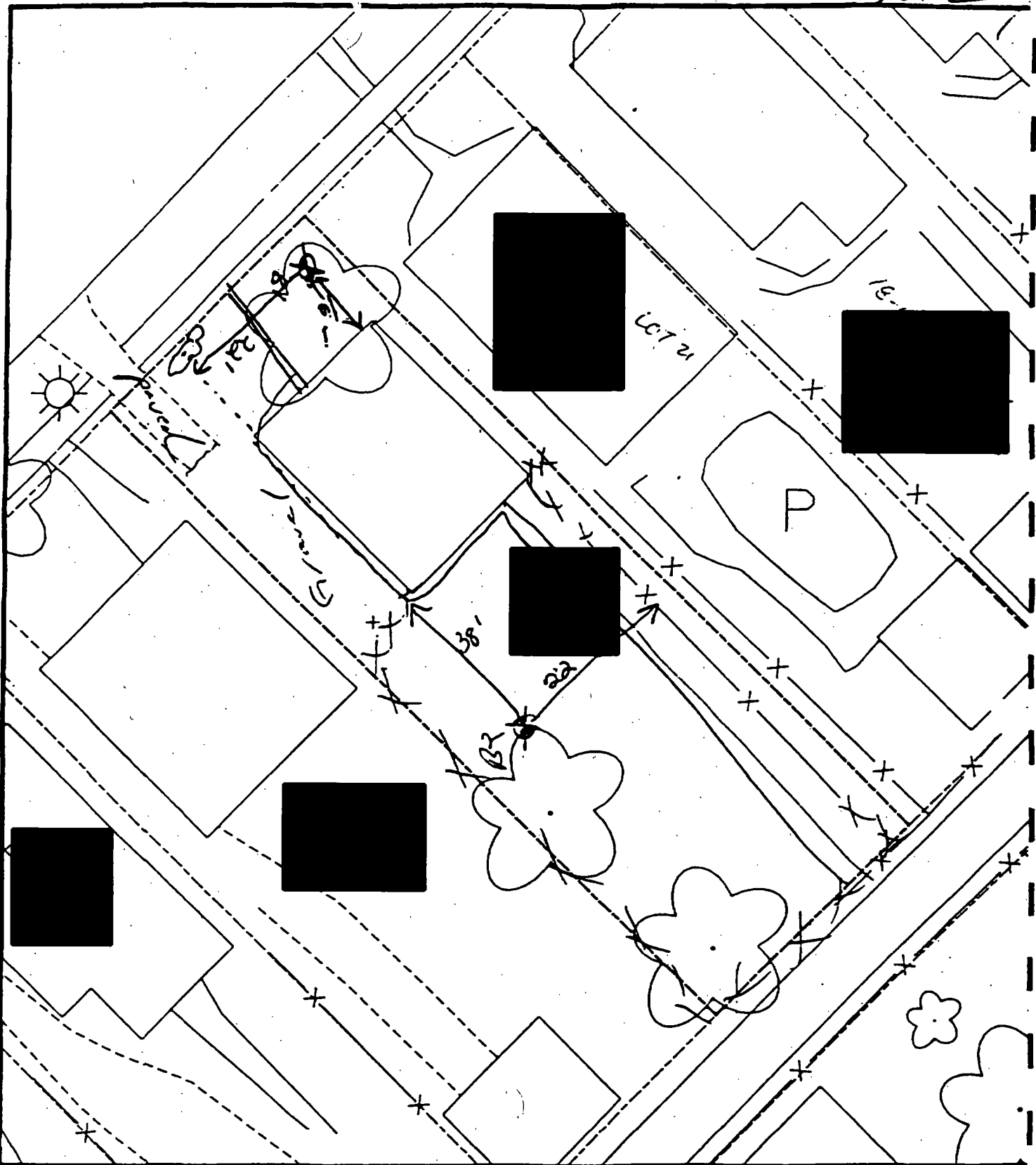
B	B	B
PPM	PPM	PPM
No.	No.	No.

282 162

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

63 130



Comments:

BE 2246 303-007 LOT 22, 23

2246 303-008 LOT 23

2244 303-009 LOT 24

16' - 10' north of house,  
22' - 10' east of corner

Scale: 1 in = 20 ft of house.

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4V

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.

852258

  
Action Date: 8/8/97

Loadout: 8/12/97

Restoration Begins: 8/13/97

Restoration Completed: 8/27/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 31.80 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*Kubota

\*X331

\*Subcontractors:

\*WMI-landfill

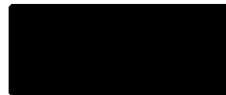
\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Sod Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
41.34		30.01				120	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



436 274

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

423 33

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

85 604  
 227 3496

I
E
(

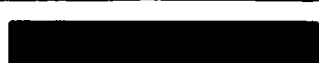


A hand-drawn site plan of a residential property. The plan shows several rectangular buildings, some of which are filled with black ink. There are also several trees represented by simple outlines with five petals. A pond, labeled 'P', is located in the lower right quadrant. A road or driveway runs diagonally across the property. The plan includes various lines, including dashed lines, and several small crosses or plus signs. Handwritten text in the upper right corner reads 'BZ Z' N of fence' and '28' W of fence'. Other handwritten text near the pond includes '2001 DWY' and '2001 DWY'. The plan is oriented with a north arrow in the upper left corner.

80% Power



**CHKD. BY:**





Action Date: 10/30/97

Loadout: 11/4/97

Restoration Begins: 11/4/97

Restoration Completed: 11/24/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 68.25 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
88.73	3.5		16.15	12.85		180	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 319 331  
857 412

**3 - 6" Front and Back**

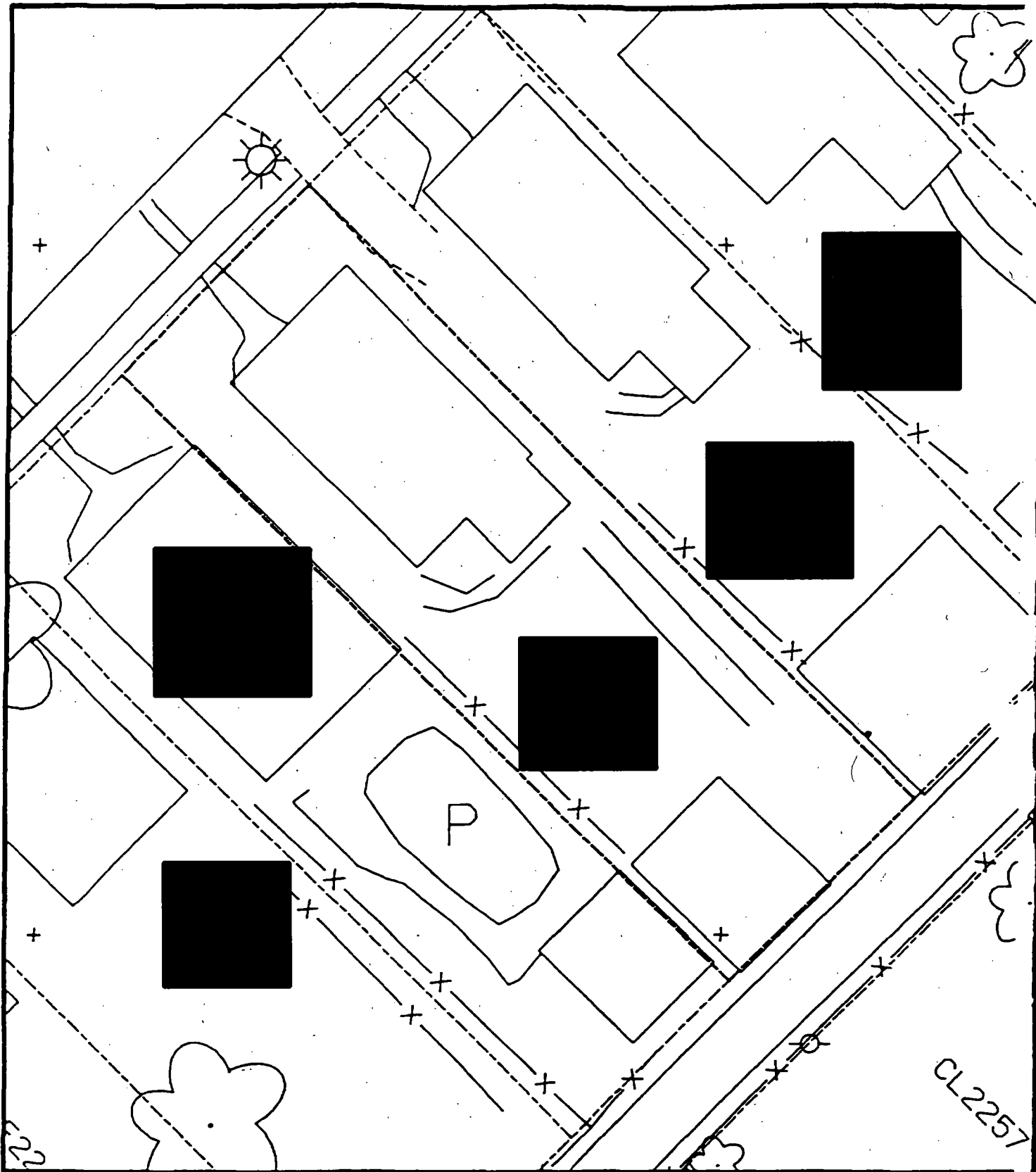
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

188 199  
770 397  
162 314

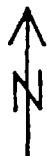
**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

43 303  
176 410



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCII4'

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.

Action Date: 10/30/97

Loadout: 10/31/97

Restoration Begins: 10/31/97

Restoration Completed: 11/24/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 46.70 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
60.72	2	31.24	14.77	13.8		240	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



379 339 398  
 645 409

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

218 269 340  
 463 200

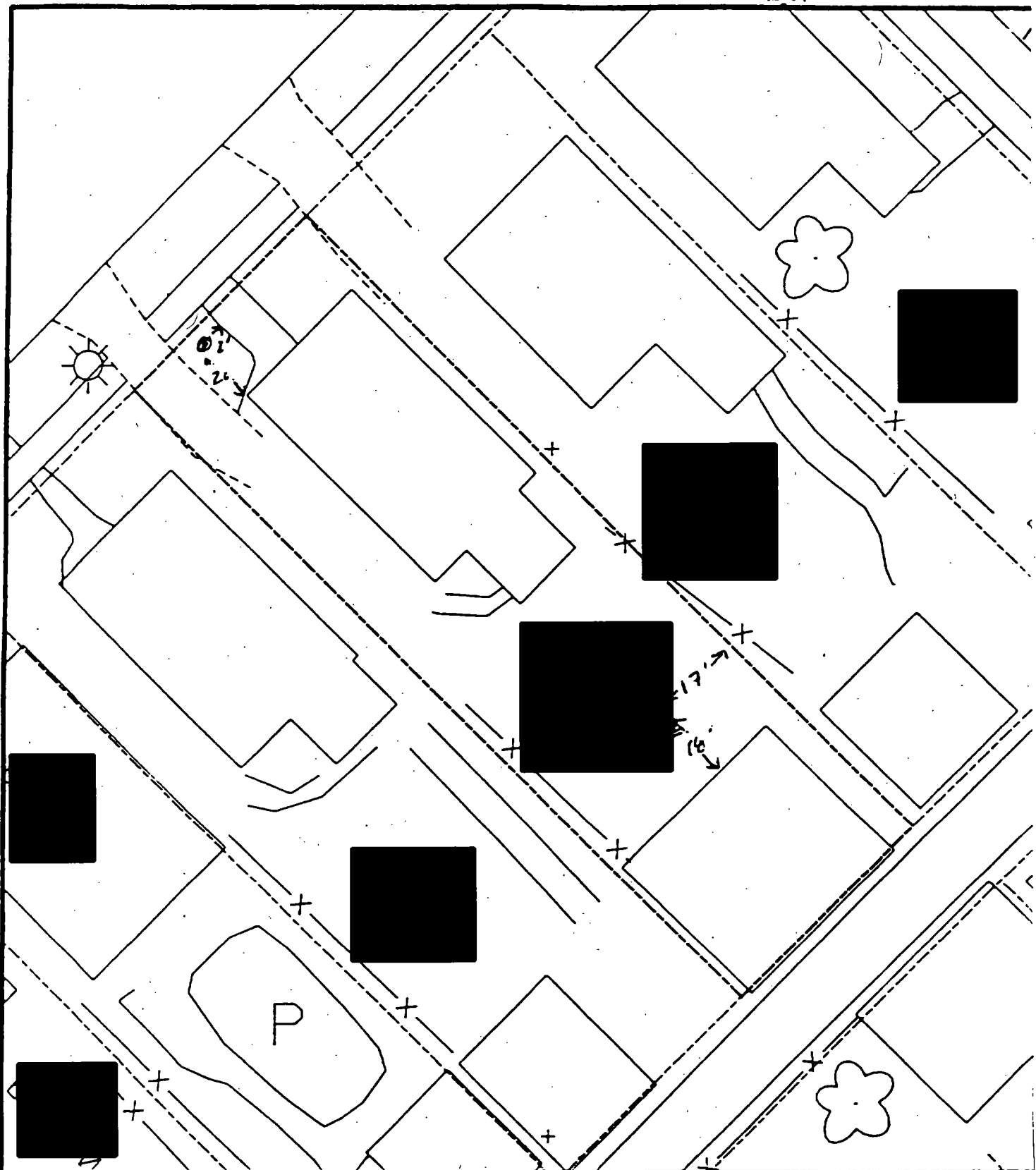
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

164 152 153  
 210 193




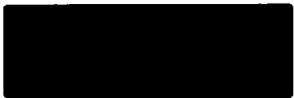
alt #2



Comments:

B1 20' from house  
2' from walk  
B2 12' to N house  
18' to back house

PRE-DESIGN FIELD INVESTIGATION NL/TARACORP SUPERFUND SITE GRANITE CITY, IL		PROJECT NO. 89MCII4V
<b>Woodward-Clyde Consultants</b> 		
Engineering & sciences applied to the earth & its environment		
DRN. BY:		Resident ID No.



- Action Date: 4/1/97
- Loadout: 4/2/97
- Restoration Begins: 4/3/97
- Restoration Completed: 4/24/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 94.72 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

- \*TL-26
- \*17-KW
- \*X331
- \*TCM

\*Subcontractors:

- \*WMI-landfill
- \*B. Garcia-trucking
- \*Granthum-trucking
- \*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
123.14	3	62	14.65	44.5		180	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

**707 1481**

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

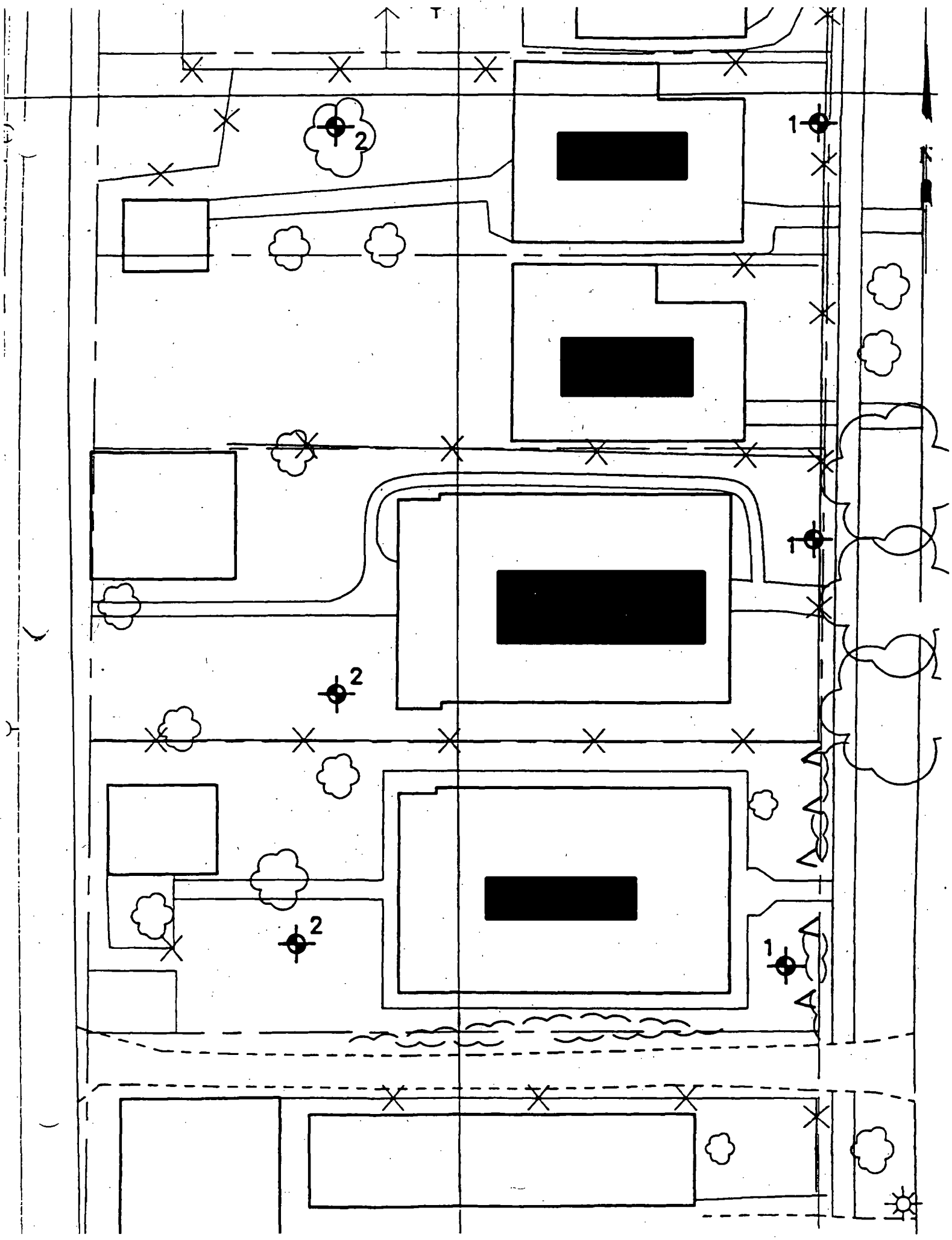
**454 873**

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

**299 1660**  
**637 144**

I
E
(





Action Date: 4/28/97

Loadout: 4/30/97

Restoration Begins: 4/30/97

Restoration Completed: 5/19/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 107.85 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.



OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
140.23	5	27.41	90.05	27.46		189	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 **600 1270**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

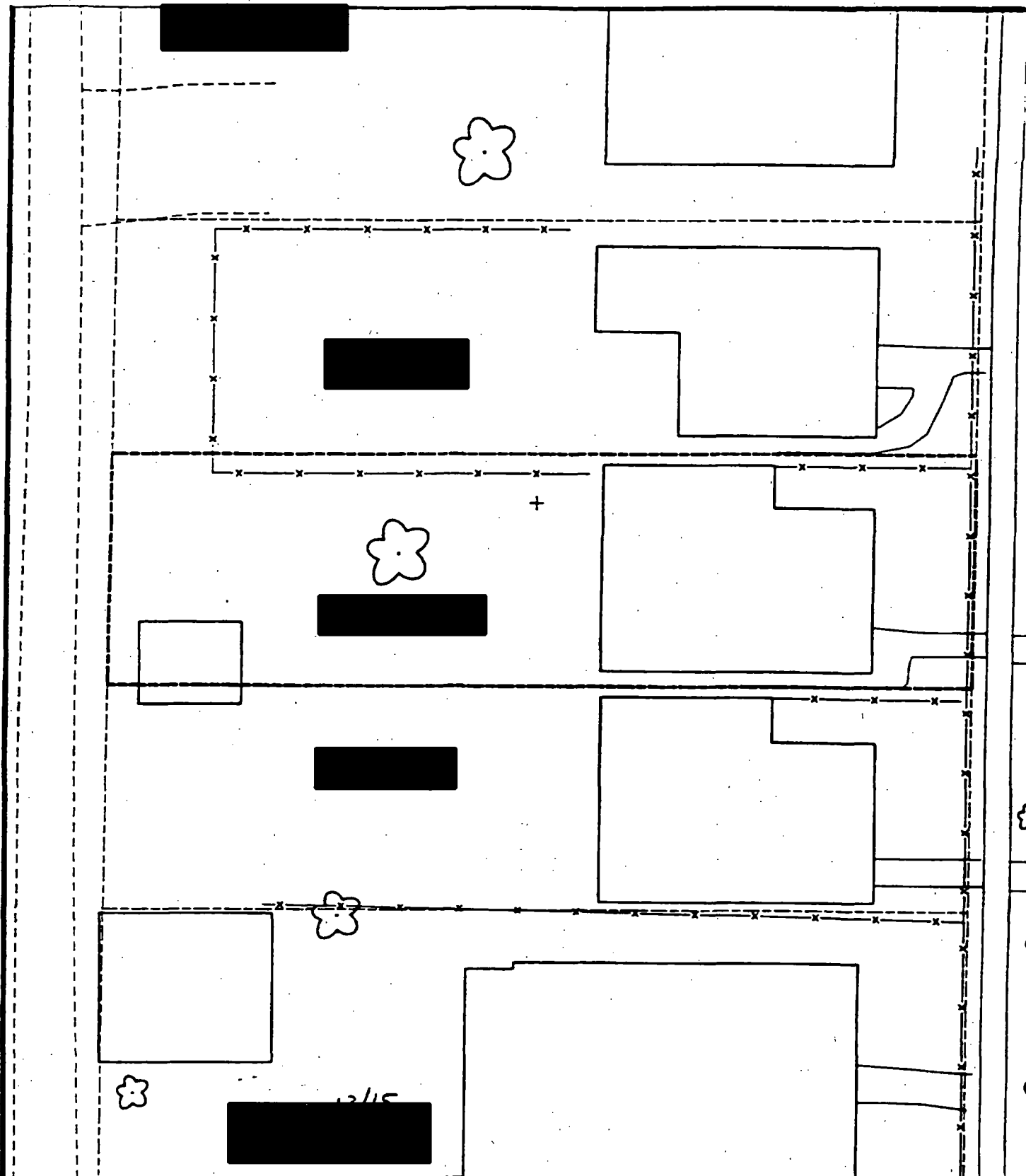
**452 673**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**135 556**  
**355 842**

<b>I</b>



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.

89MCII4V

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.

[REDACTED]

Action Date: 3/26/97

Loadout: 3/28/97

Restoration Begins: 3/29/97

Restoration Completed: 4/24/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 145.11 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCRETE	OTHER
188.65	8	163		55.35		300		

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 1330

3 - 6" Front and Back

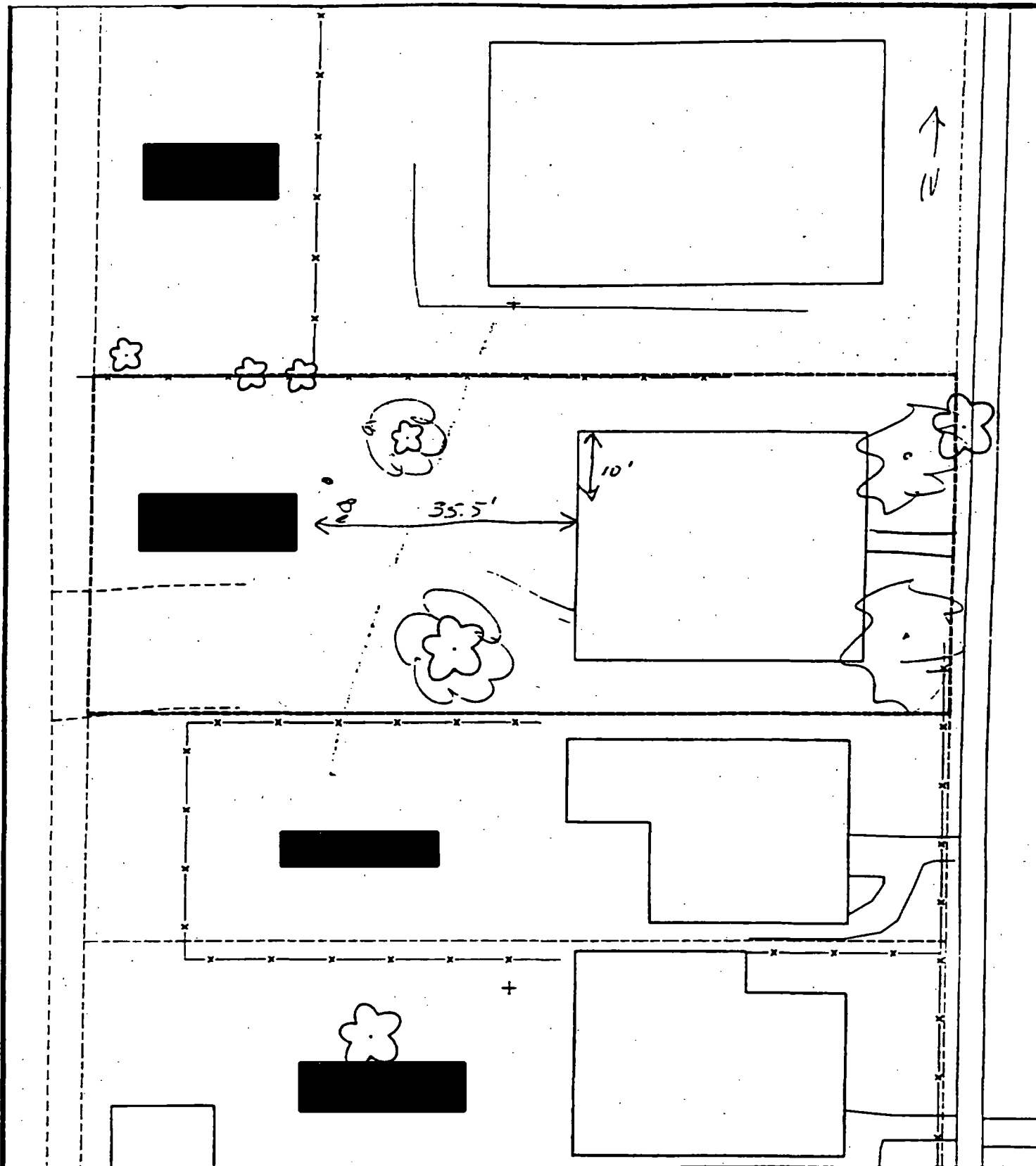
B	B	B
PPM	PPM	PPM
No.	No.	No.

2700

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

545



Comments:

3, ~~is~~ 35.5 FT WEST OF NW HOUSE  
CORNER AND 10 FT <sup>W</sup> ~~WEST~~ OF NW  
HOUSE CORNER



3<sub>2</sub> - NET TAKEN - COMPLETELY COVERED  
BY CANYON  
Scale: 1 in. = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MC114V

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Revised E No.





Action Date: 3/26/97

— Loadout: 3/28/97

Restoration Begins: 3/29/97

Restoration Completed: 4/22/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 118.36 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

**EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
153.89	2	71.09	45.33	25.55		240	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

395      693

**3 - 6" Front and Back**

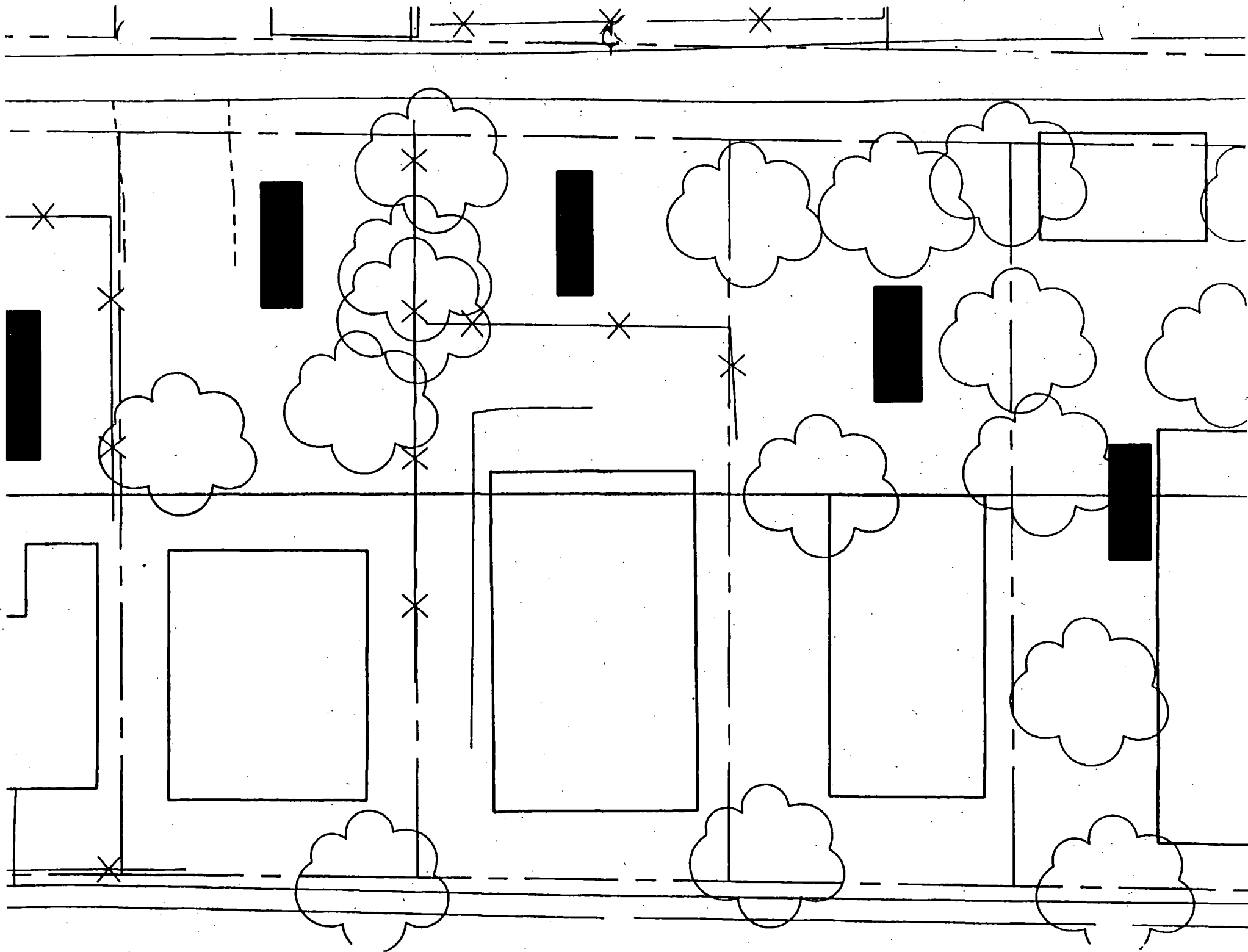
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

361      677  
 270      625

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

348      531



Action Date: 6/19/97

Loadout: 6/21/97

Restoration Begins: 6/21/97

Restoration Completed: 7/18/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 138.03 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Schneider-turf farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
179.45	11	107.35	30.55			508	



**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



475

559

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

564

589

6 - 12" Front and Back

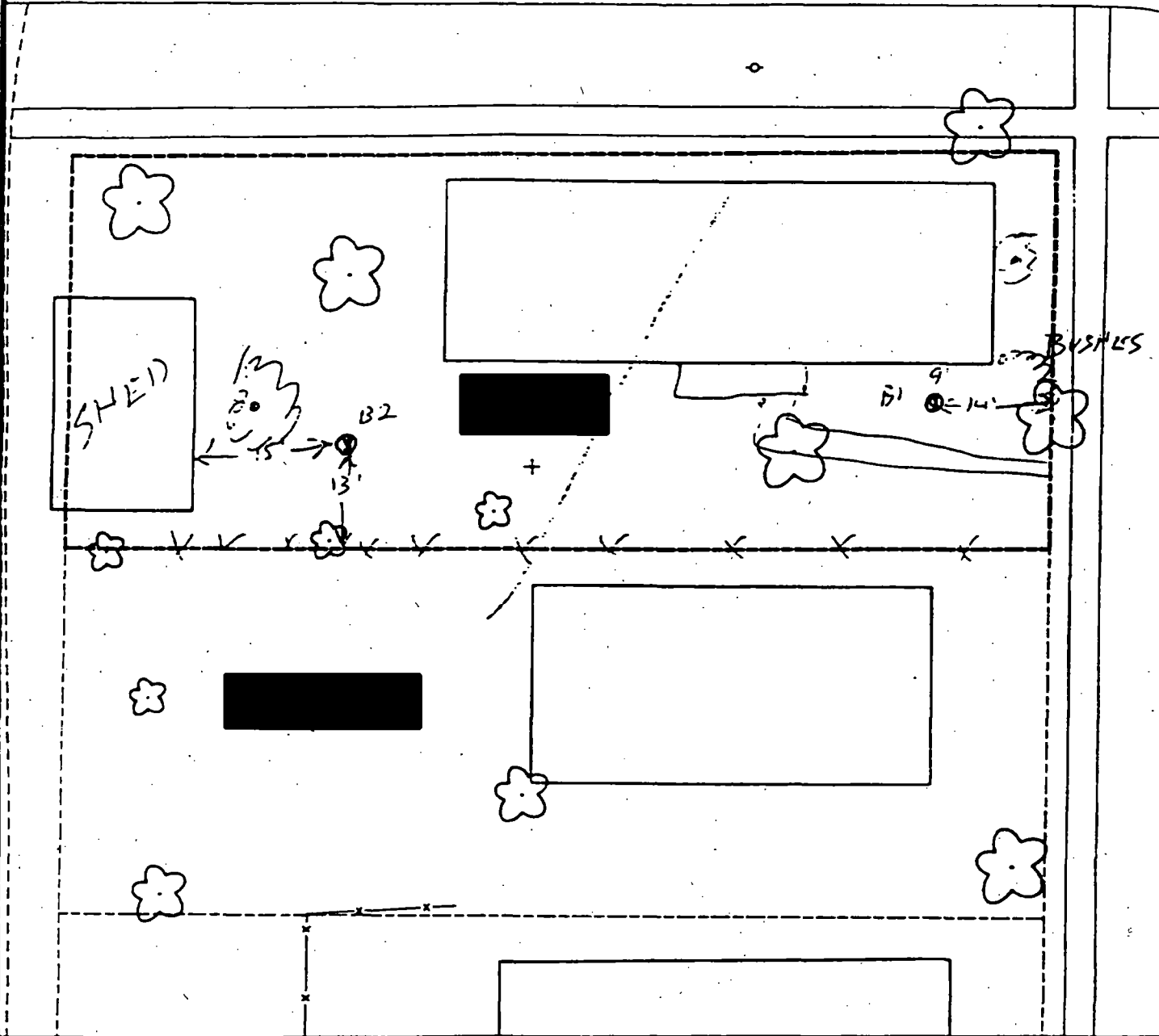
C	C	C
PPM	PPM	PPM
No.	No.	No.

587

318

490

825



Comments:

B1 - 9' SOUTH OF NOSE  
14' WEST OF SIDEWALK

B2 - 15' EAST OF SHED  
13' NORTH OF FENCE

Scale: 1 in = 20ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.  
89MCI14V

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID:

[REDACTED]

Action Date: 11/20/97

Loadout: 11/24/97

Restoration Begins: 11/24/97

Restoration Completed: 12/17/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 159.33 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
207.13	8	32.26	58.9	90.5		420	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 467 1574

3 - 6" Front and Back

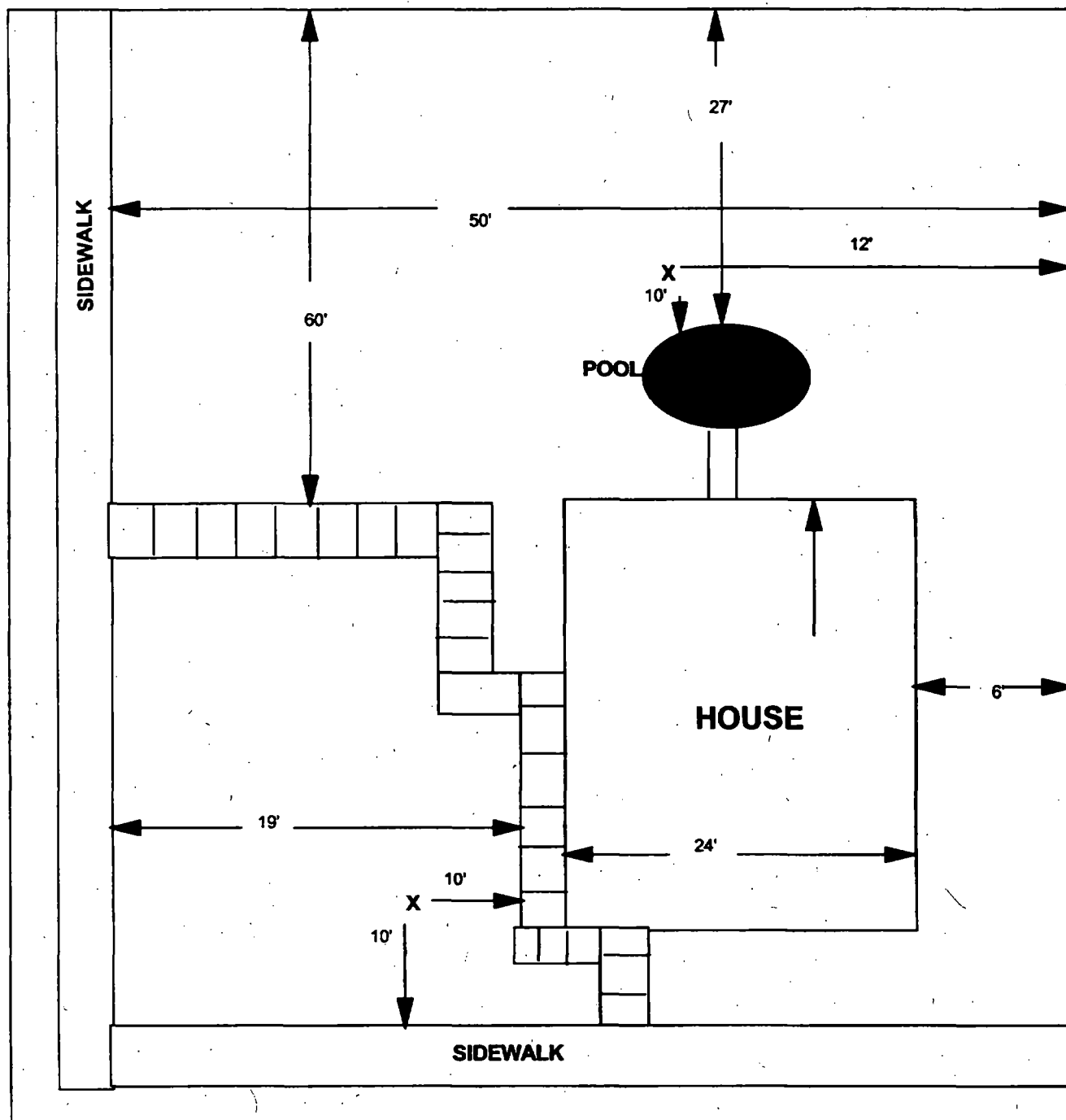
B	B	B
PPM	PPM	PPM
No.	No.	No.

175 875  
339 1162

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

268 331



**X = SAMPLE POINT**

**TOTAL  
DIMENSIONS  
112'X49'**

**OHM Corporation**  
Findley, Ohio

Drawn By: **JG** Checked By:

Date: **8/14/98** Approved By:

Scale: **NTS** Drawing No:



Action Date: 3/22/97

Loadout: 3/26/97

Restoration Begins: 3/27/97

Restoration Completed: 4/2/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 137.65 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Pedigo Turf Farm

## **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.



OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR

1515 01

SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
178.95	5	47.74	73.09	14.7		283.5	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

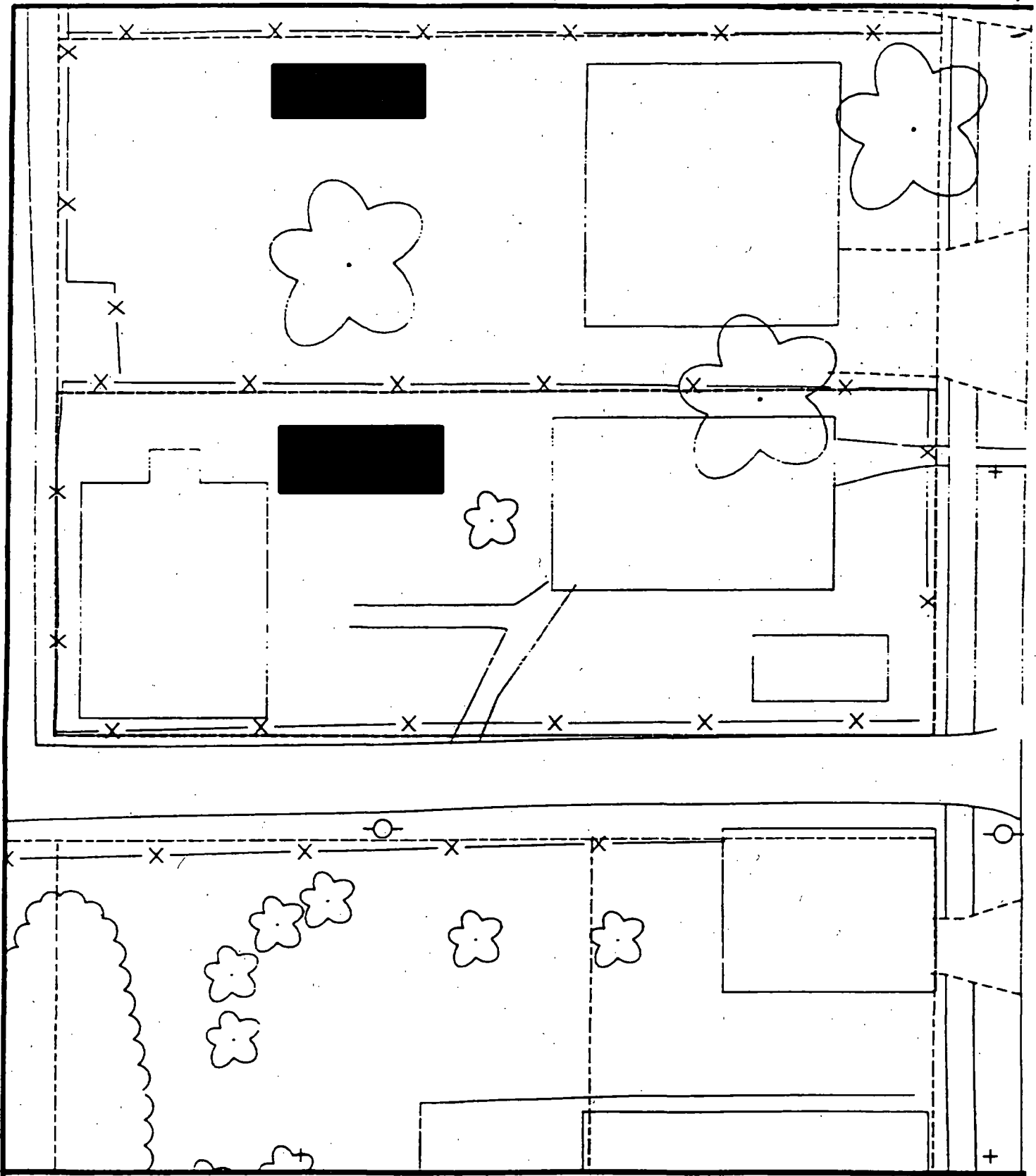
**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

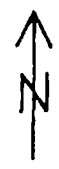
	<b>598</b>	<b>644</b>
	<b>766</b>	<b>721</b>

<b>311</b>	<b>852</b>
<b>634</b>	<b>612</b>

<b>234</b>	<b>2920</b>
<b>1720</b>	<b>1390</b>



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION NL/TARACORP SUPERFUND SITE GRANITE CITY, IL		PROJECT NO. 89MCII4
<b>Woodward-Clyde Consultants</b>		
Engineering & sciences applied to the earth & its environment		
DRN. BY:	Resident ID No.	
CHKD. BY:		

[REDACTED]

Action Date: 9/9/97

Loadout: 9/11/97

Restoration Begins: 9/12/97

Restoration Completed: 10/21/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 161.02 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
209.33	9	70.63	16.98	34.77		120	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

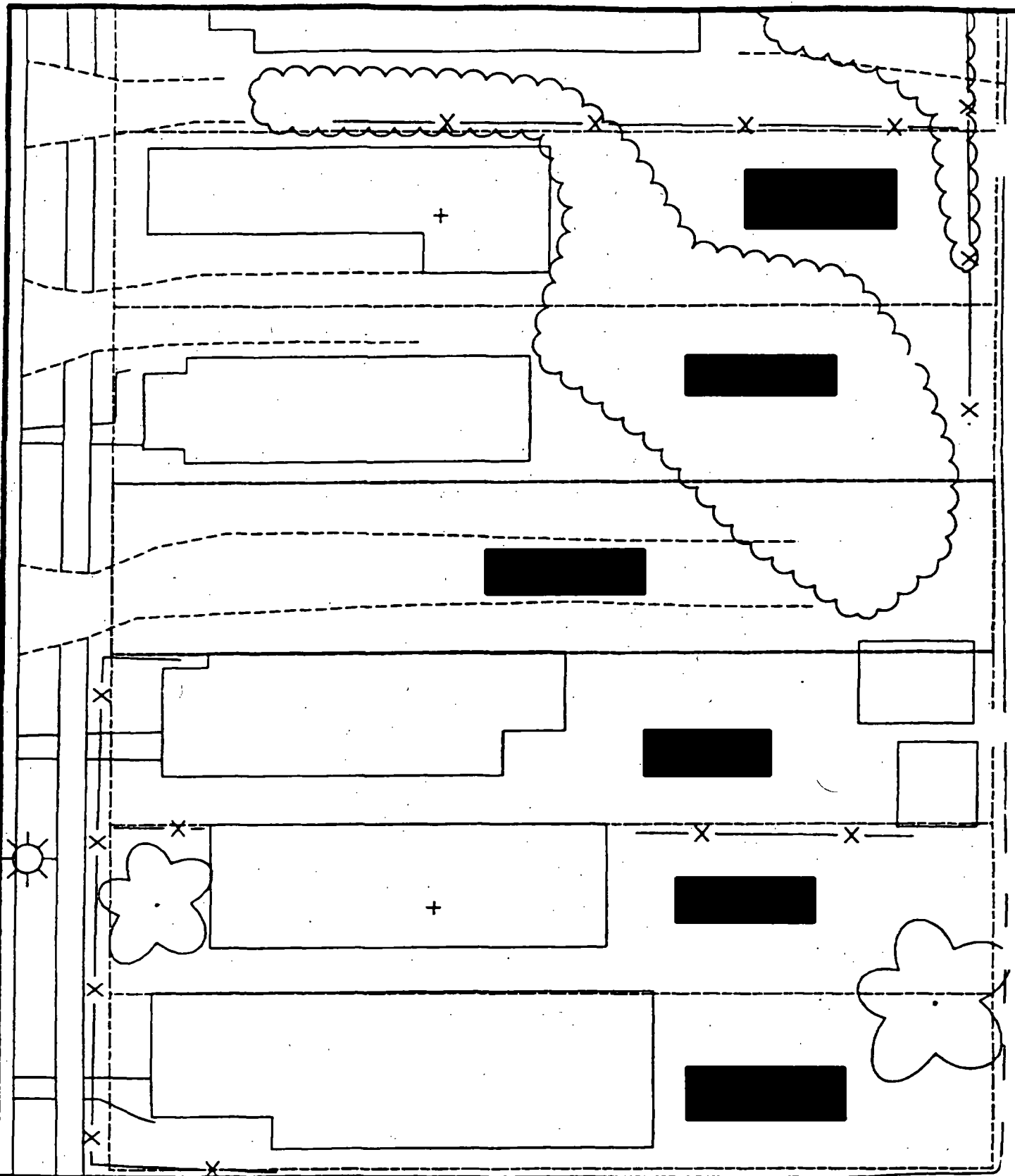
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

13 16  
 16 21  
 435 943

13 56  
 41 21  
 275 812  
 124 41

74 80  
 53 114  
 304 546  
 105 623



Comments: \_\_\_\_\_



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO  
89MCI

**Woodward-Clyde Consultants**

Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No



Action Date: 10/27/97

Loadout: 10/29/97

Restoration Begins: 10/30/97

Restoration Completed: 11/12/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 218.25 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm



(

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

(

QUANTITY SUMMARY FOR

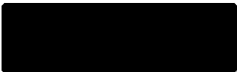


SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
283.73	16	97.44	28.15	14.7		1200	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.


 337    311    413  
 1518    365

3 - 6" Front and Back

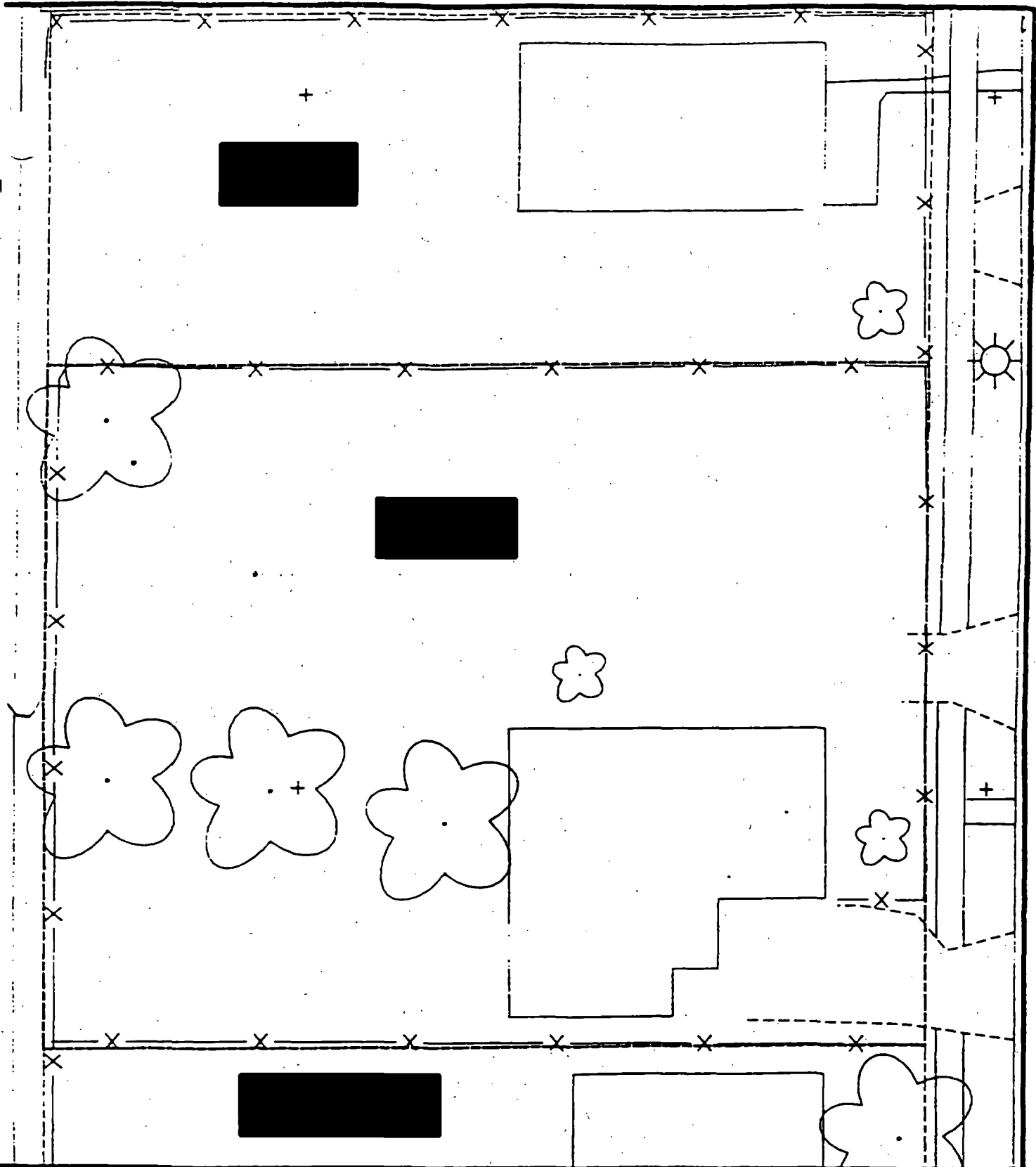
B	B	B
PPM	PPM	PPM
No.	No.	No.

371    357    392  
 771    162  
 542    152

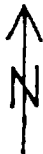
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

422    341    256  
 250    296



Comments:



Scale: 1 in = 20 ft

PRE-DESIGN FIELD INVESTIGATION  
NL/TARACORP SUPERFUND SITE  
GRANITE CITY, IL

PROJECT NO.

89MC114V

**Woodward-Clyde Consultants**



Engineering & sciences applied to the earth & its environment

DRN. BY:

CHKD. BY:

Resident ID No.

[REDACTED]

Action Date: 8/26/97

Loadout: 9/3/97

Restoration Begins: 9/3/97

Restoration Completed: 9/17/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 181.56 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*KABOTA

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
236.03	9	47.52	149.3	13.95		477	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>



**615 375 479**  
**515 515**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**644 318 538**  
**580 580**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**898 239 689**  
**626 626**

VENUE

alt 21

70 paved chosse -  
85% 90

B<sup>1</sup> - 30' north of house,  
E 6' west of fence

B<sup>2</sup> - 10' west of house,  
14' north of fence

remove  
tree

brick  
curb

curb  
drive

shrubs

shrubs

2



Action Date: 4/14/97

Loadout: 4/16/97

Restoration Begins: 4/16/97

Restoration Completed: 5/9/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 126.25 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm



### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
164.13	1	64.82	83.9	29.15		189	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**


	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

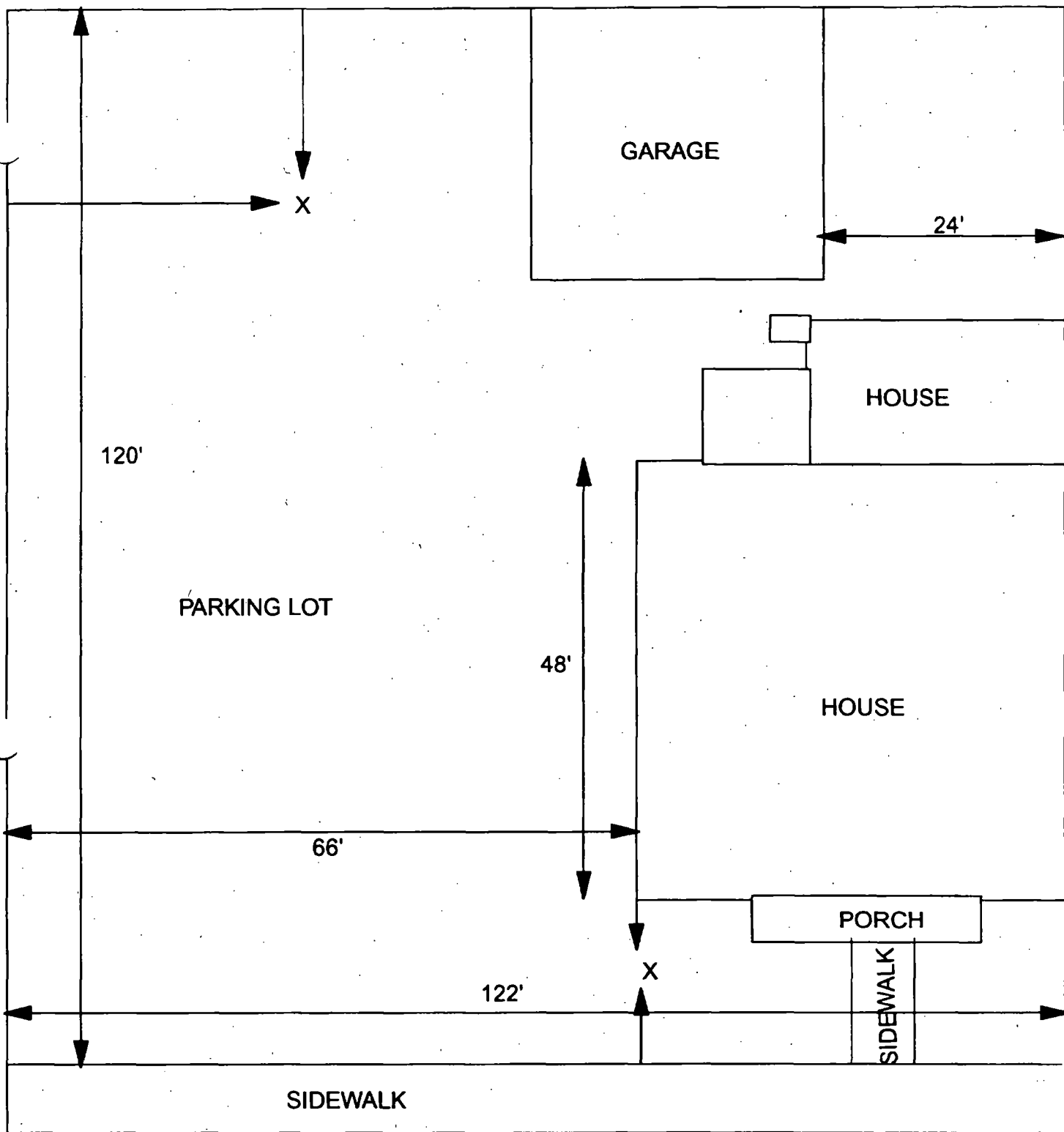
**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

	<b>594</b>	<b>687</b>	<b>591</b>
	<b>422</b>	<b>487</b>	

<b>313</b>	<b>318</b>	<b>668</b>
<b>364</b>		

<b>146</b>	<b>149</b>	<b>615</b>
<b>561</b>		



X = SAMPLE POINT

<div style="background-color: black; height: 20px; width: 100%;"></div> <div style="background-color: white; height: 100px; width: 100%;"></div>	<b>OHM Corporation</b> <small>Findlay, Ohio</small>	
	Drawn By: <b>EDJ</b>	Checked By:
	Date: <b>7/28/98</b>	Approved By:
	Scale: <b>NTS</b>	Drawing No:

## 1935 Cleveland

Action Date: 7/30/97

✓ Loadout: 8/1/97

Restoration Begins: 8/5/97

Restoration Completed: 8/27/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 75.34 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*Kabota

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

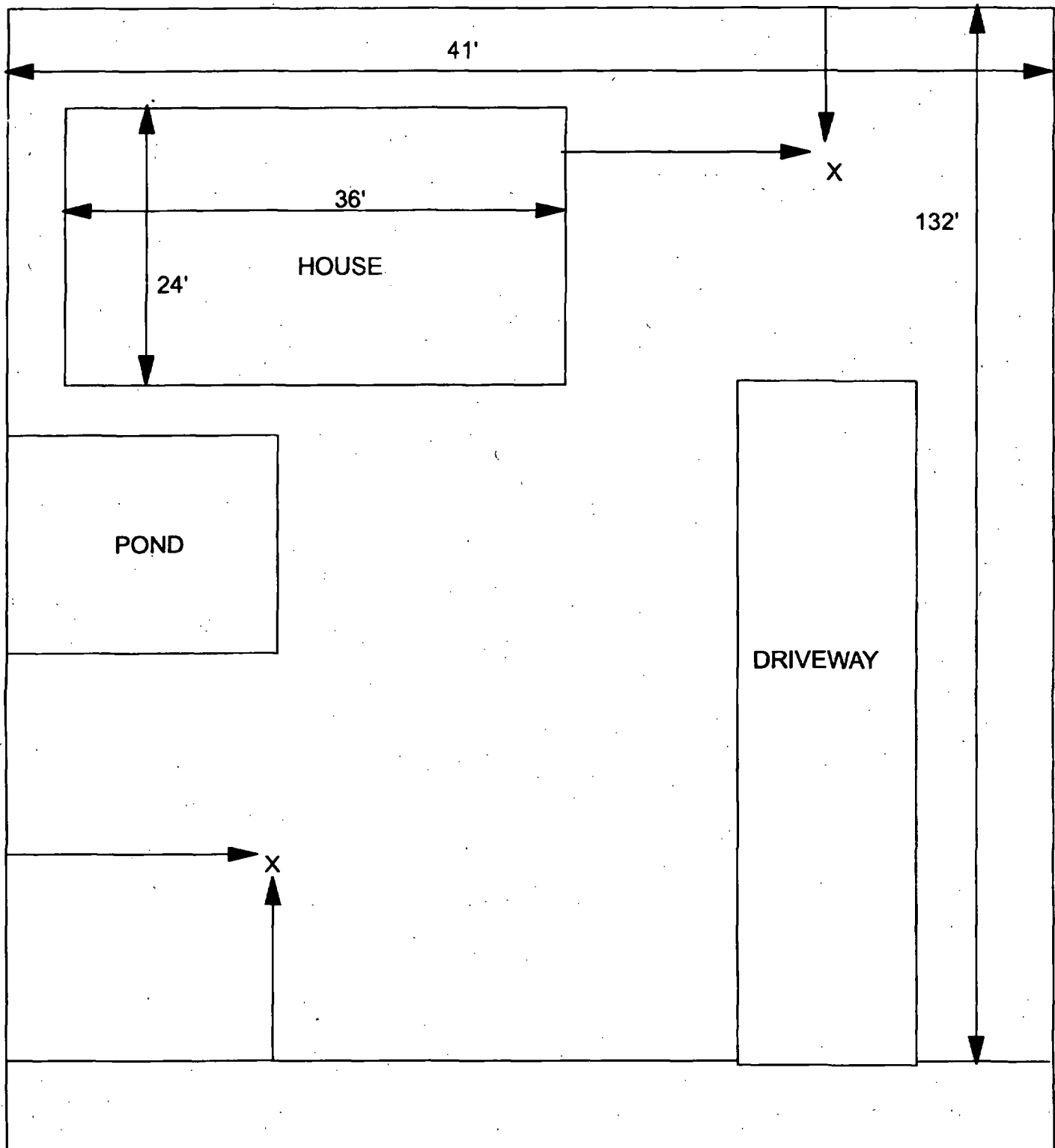
QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
97.95	4	53	27.3			240	

**Sampling Analysis  
Project #19531**

Street/Number Address	0 - 3" Front and Back			3-6" Front and Back			6-12" Front and	
	A PPM No.	A PPM No.	A PPM No.	B PPM No.	B PPM No.	B PPM No.	C PPM No.	C PPM No.
[REDACTED]	348	281		390	360		453	348
	413	109		557	378		144	526



X = SAMPLE POINT



41' X 132'

**OHM**  
**Corporation**  
 Findlay, Ohio

Drawn By: <b>EDJ</b>	Checked By:
Date: <b>7/29/98</b>	Approved By:
Scale: <b>NTS</b>	Drawing No:



Action Date: 8/1/97

Loadout: 8/6/97

Restoration Begins: 8/6/97

Restoration Completed: 8/27/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 122.98 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*BOMAG

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
159.88	6	42.78				510	

**Sampling Analysis  
Project #19531**

**Street/Number  
Address**

**0 - 3" Front and Back**

<b>A</b>	<b>A</b>	<b>A</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

<b>1070</b>	<b>1050</b>	<b>552</b>
<b>514</b>		

**3-6" Front and Back**

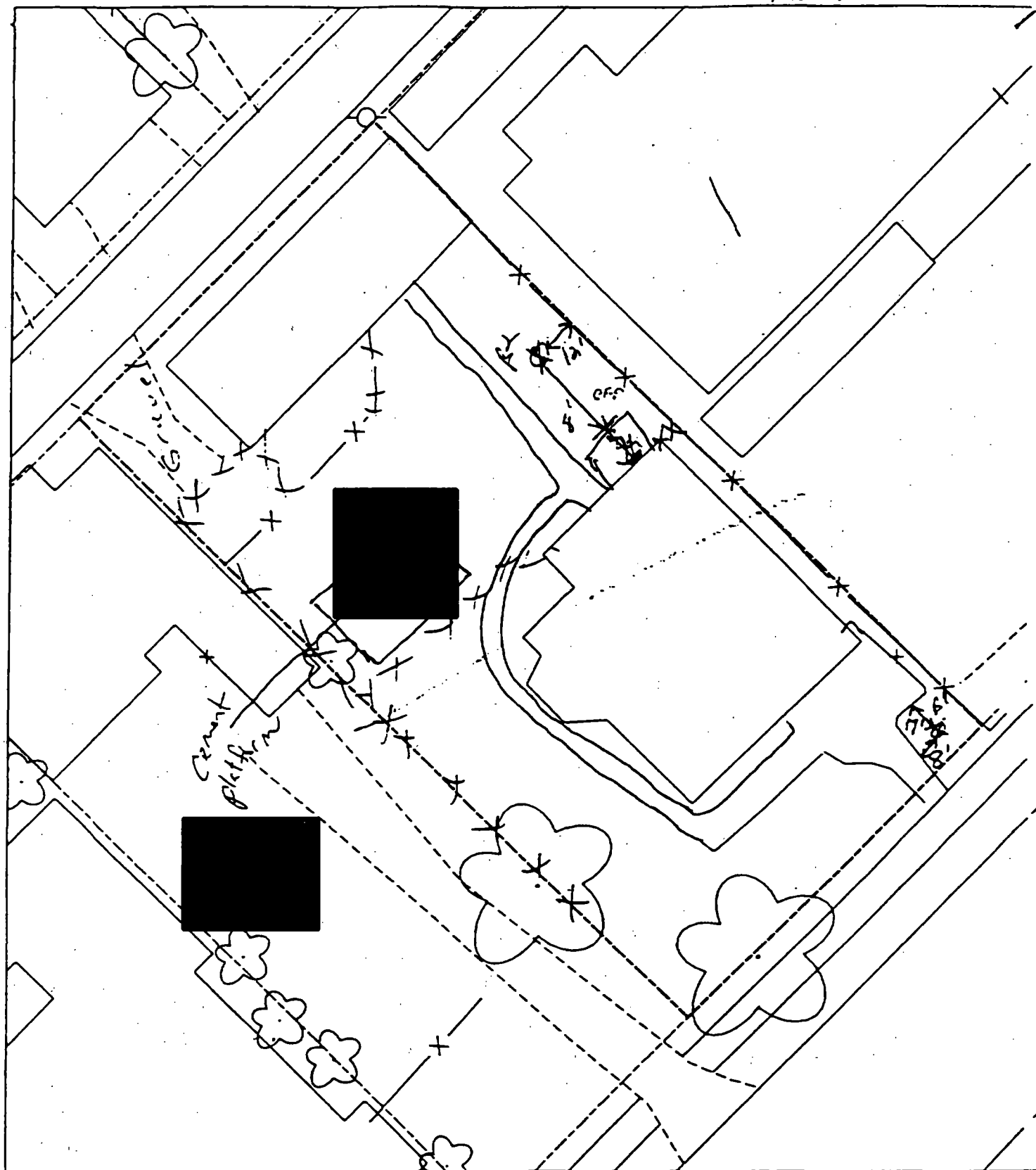
<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

<b>369</b>	<b>940</b>	<b>391</b>
<b>497</b>		

**6-12" Front and**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

<b>58</b>	<b>646</b>	
<b>1650</b>		



B1 - 8' east of sidewalk & 7' south of sidewalk.

To paved + house -

B2 - 12' west of fence & 8' north

\* Appears that front yard was tilled.

  
Action Date: 11/4/97

Loadout: 11/12/97

Restoration Begins: 11/12/97

Restoration Completed: 11/17/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 89.47 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Schneider-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
116.32	7	47.52		12.85		300	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 685 436

3 - 6" Front and Back

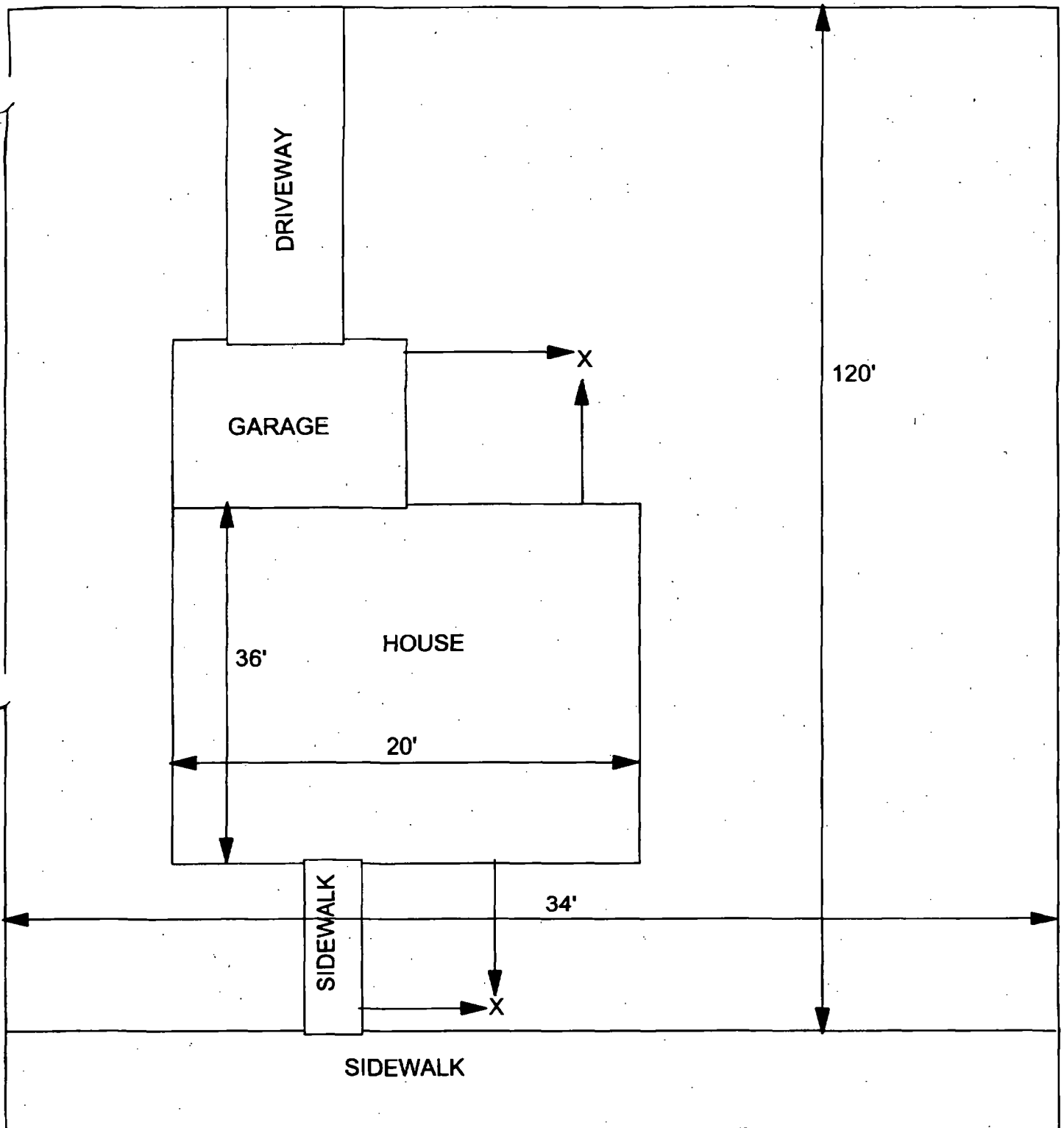
B	B	B
PPM	PPM	PPM
No.	No.	No.

326 398

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

611 816



X = SAMPLE POINT

34' X 120'

**OHM CORPORATION**  
Findlay, Ohio

Drawn By **EDJ** Checked By

Date **8/25/98** Approved By

Scale: **NTS** Drawing No





Action Date: 10/6/97

Loadout: 10/10/97

Restoration Begins: 10/10/97

Restoration Completed: 10/22/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 75.70 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

(  
OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
98.41	5	44.06		15.05		420	

**Sampling Analysis  
Project #19531**

**Street/Number  
Address**



**0 - 3" Front and Back**

<b>A</b>	<b>A</b>	<b>A</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**354 1780**

**3-6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

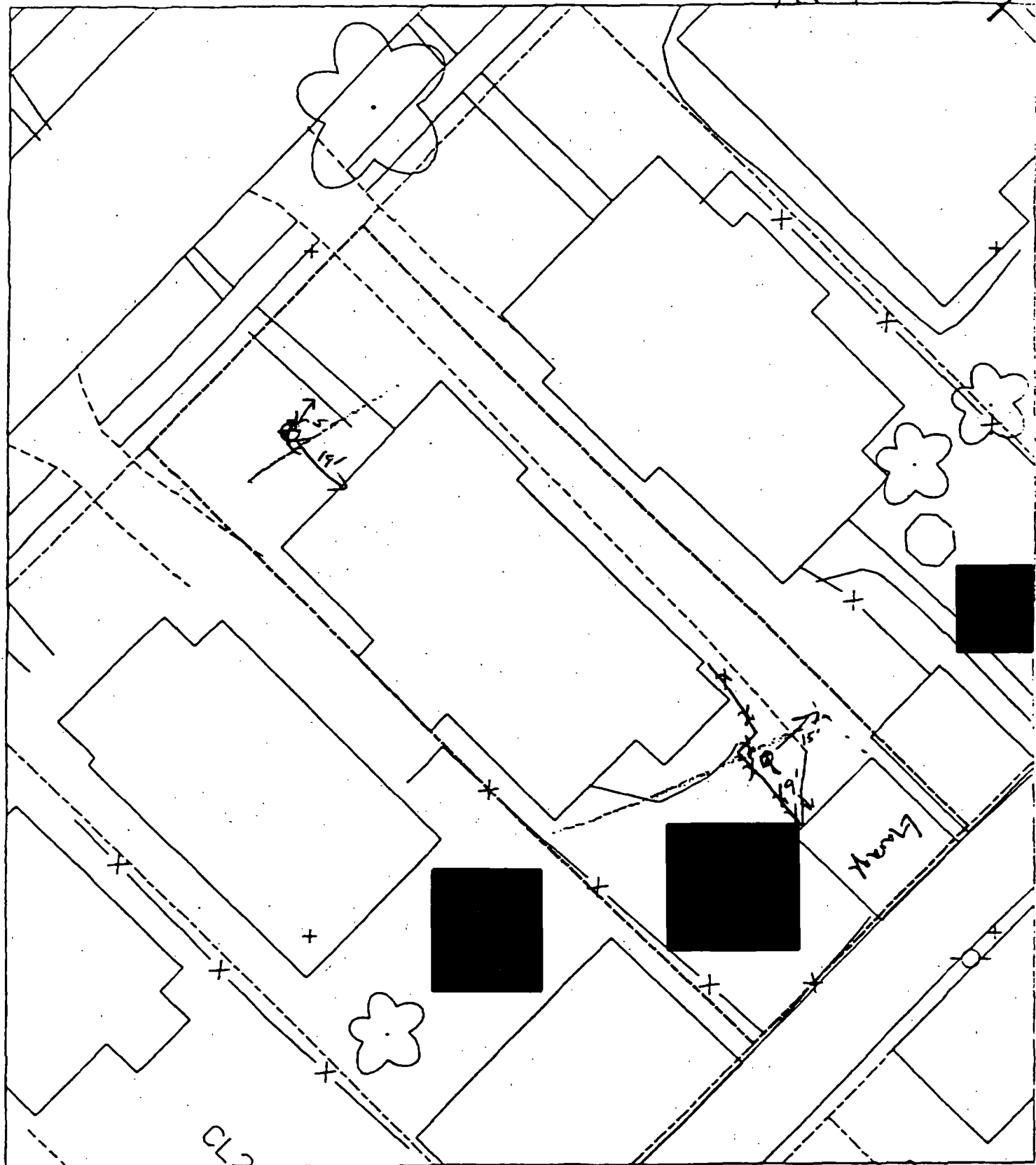
**536 1610**

**6-12" Front and**

<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>

**192 64**

54+4



B1 5' S of front walk  
19' W of house

House & Pavement =

B2 9' E to garage  
15' N to extension of garage

all

0000 01 1 1

Action Date: 10/6/97

Loadout: 10/9/97

Restoration Begins: 10/9/97

Restoration Completed: 10/22/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 111.71 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
145.31	6	29.99	15.9			420	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

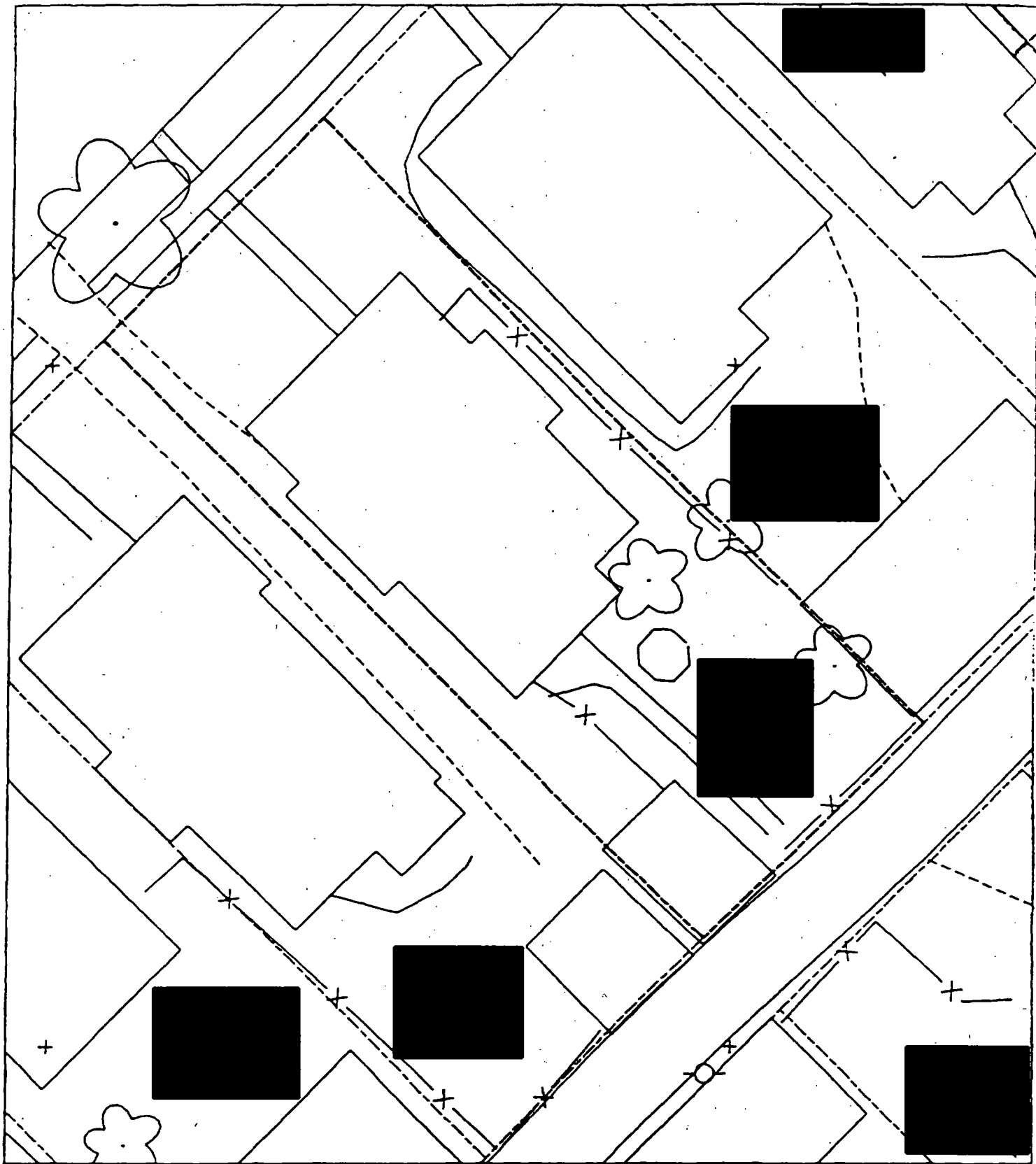
**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**2028 Cleveland**    **662**    **1780**

**644**    **2340**

**67**    **673**  
**85**    **1241**







Action Date: 4/28/97

✓ Loadout: 4/29/97

Restoration Begins: 4/30/97

Restoration Completed: 10/22/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 74.27 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

### **EASEMENT INFORMATION**

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
125.54	2	108.91	14.75			480	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

6 - 12" Front and Back

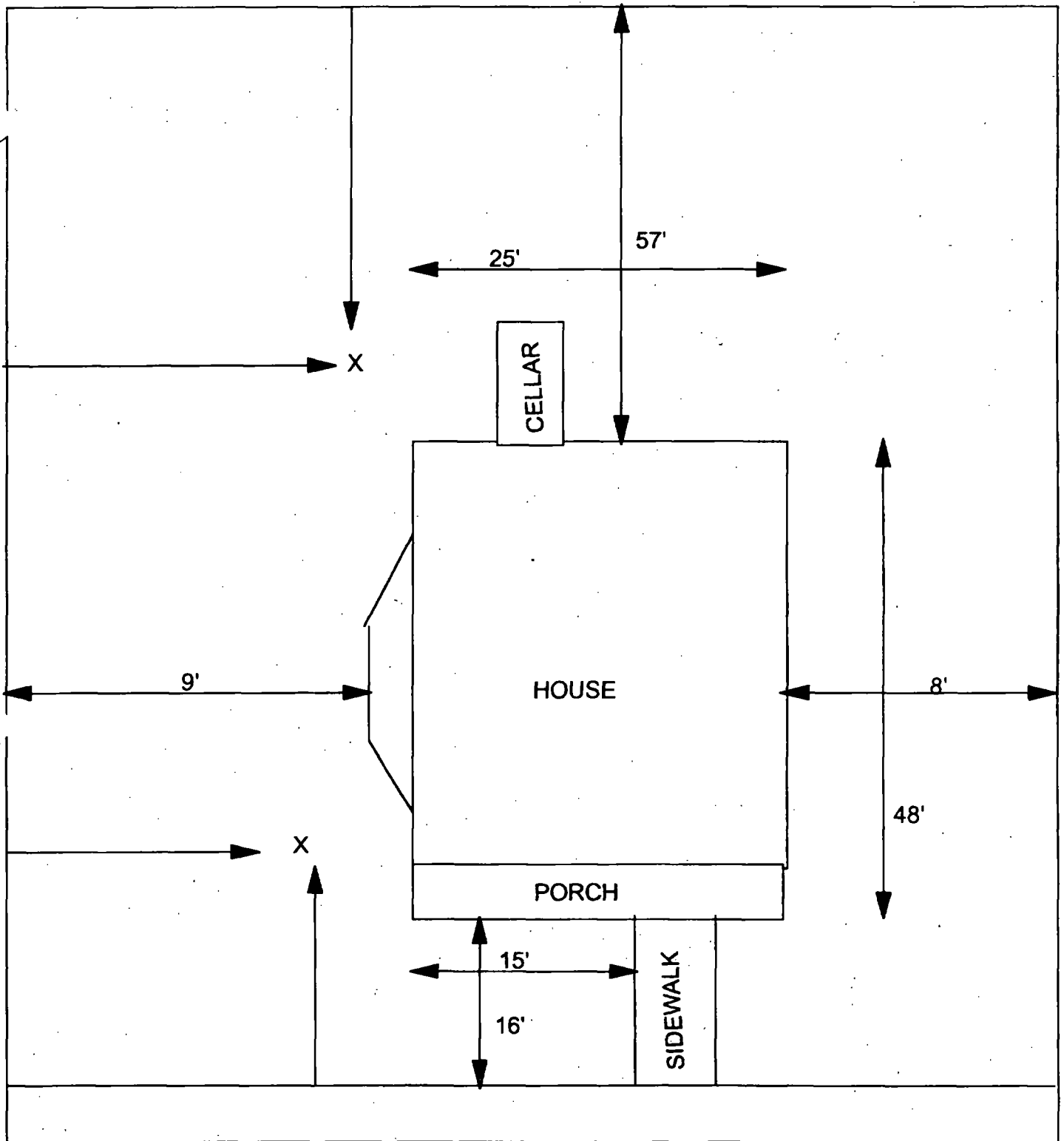
C	C	C
PPM	PPM	PPM
No.	No.	No.



995 194  
 686 485

535 104  
 447 519

155 32



X = SAMPLE POINT

42' X 121'

**OHM**  
**Corporation**  
Findlay Ohio

Drawn By: **EDJ** Checked By:

Date: **7/28/98** Approved By:

Scale: **NTS** Drawing No:



Action Date: 8/18/97

Loadout: 8/20/97

Restoration Begins: 8/22/97

Restoration Completed: 8/28/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 47.63 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*KABOTA

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Grantham-trucking

\*Emerald-turf farm

**OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL**

**QUANTITY SUMMARY FOR**




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONC
61.92		50.79				320	

**Sampling Analysis**  
**Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>


**340 715**  
**1671 212**

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

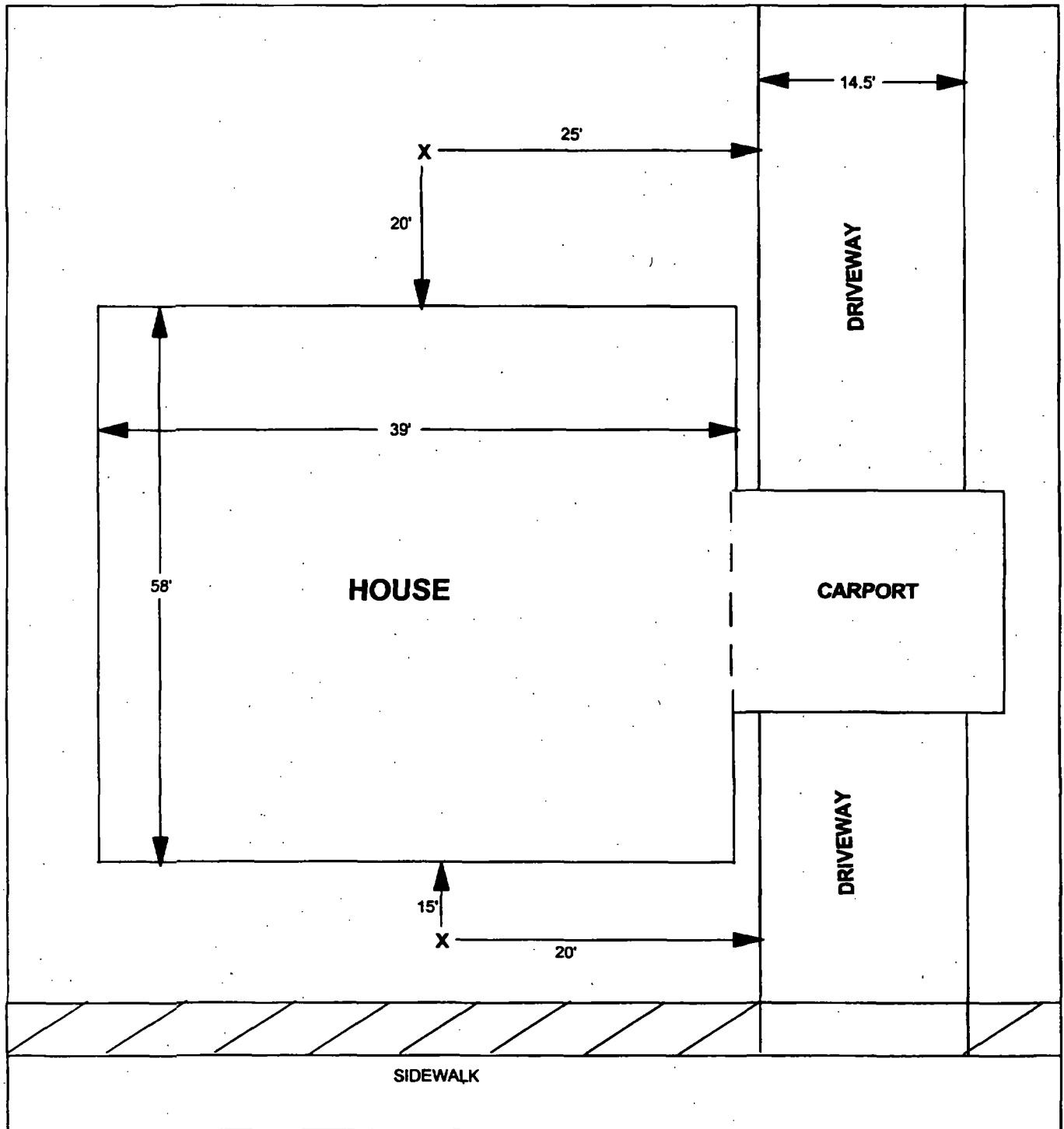
**235 411**

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

**289 194**





**X = SAMPLE POINT**

**TOTAL  
DIMENSIONS  
132'X54'**

**OHM**   
**Corporation**  
Findlay, Ohio

Drawn By: **JG** Checked By:

Date: **8/19/98** Approved By:

Scale: **NTS** Drawing No:

  
Action Date: 8/20/97

Loadout: 8/20/97

Restoration Begins: 8/22/97

Restoration Completed: 9/10/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 66.81 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
86.86		66.95	34.55			420	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 677 552

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

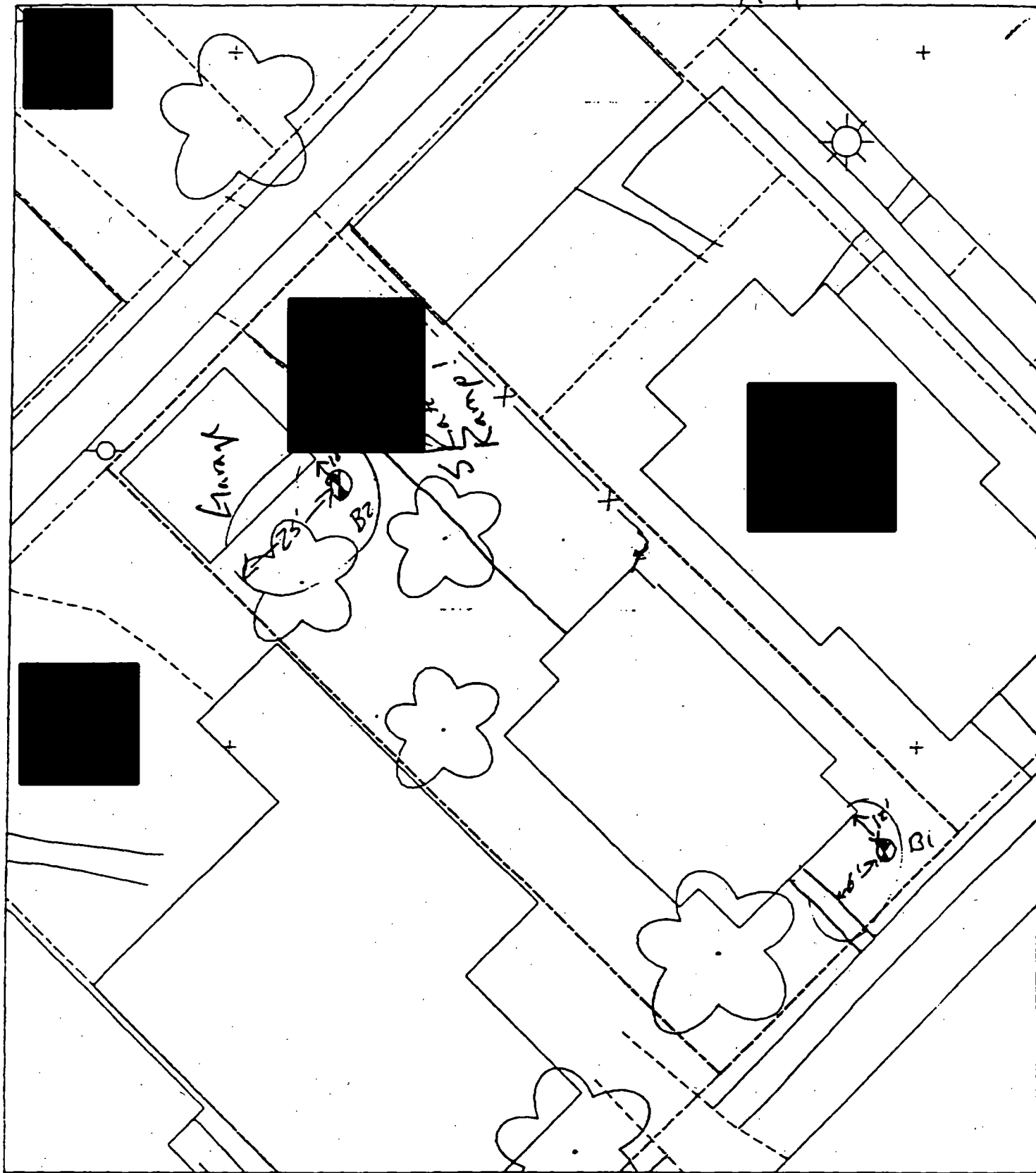
286 420

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

100 203

Sit 4



B1 6' to walk into house  
 12' to front of porch  
 B2 25' N of fence  
 10' to N of porch

Horse & other areas = 80%



Action Date: 9/30/97

Loadout: 10/1/97

Restoration Begins: 10/2/97

Restoration Completed: 10/21/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 6 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 46.36 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*17-KW

\*X331

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Emerald Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
60.28	3			12.32		180	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

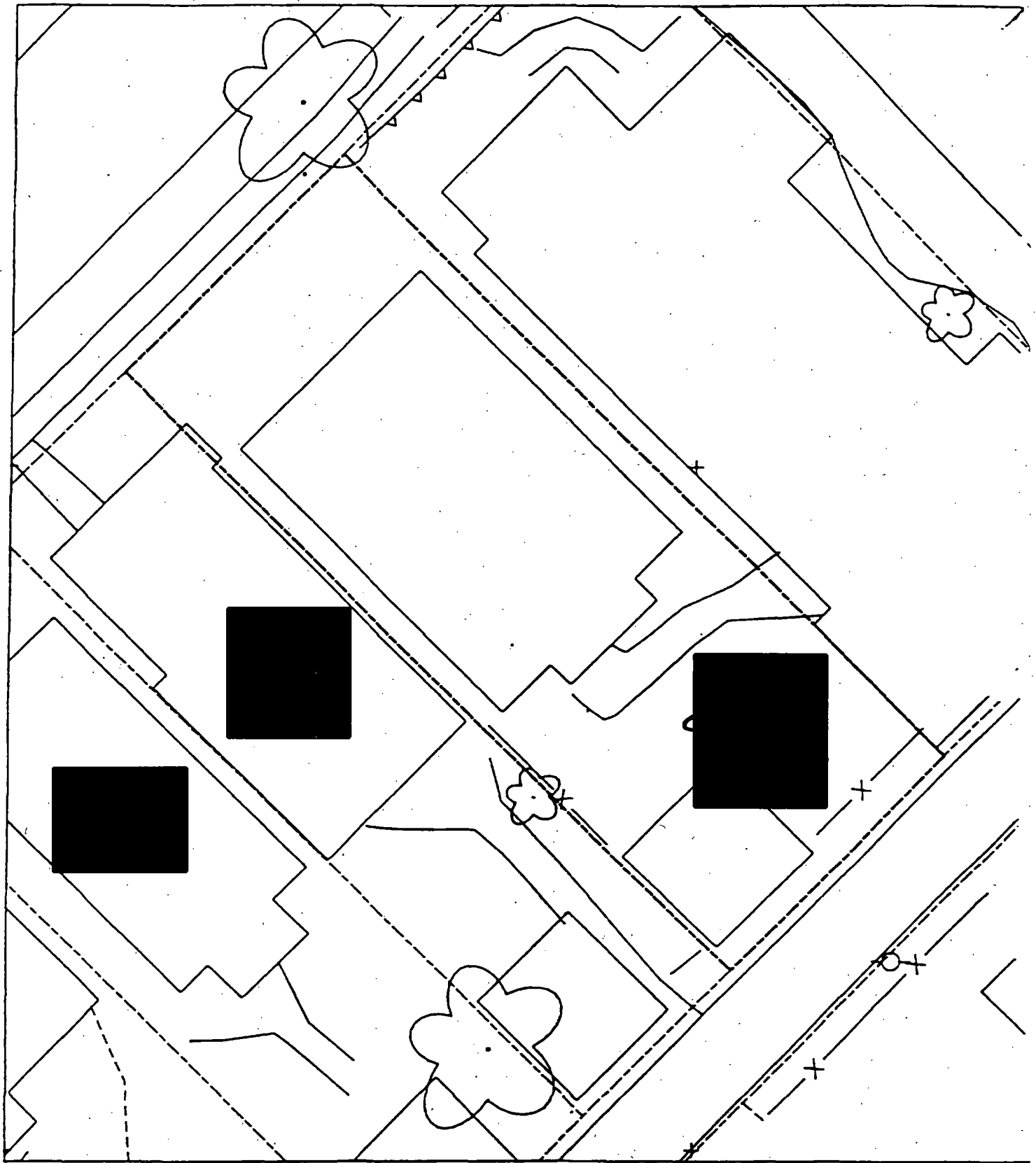


386 724  
 464 521

309 571  
 174 559

59 964  
 77 186  
 106 78





  
Action Date: 9/17/97

Loadout: 9/18/97

Restoration Begins: 9/19/97

Restoration Completed: 10/13/97

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 12 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 123.04 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17-KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCI
159.96	5	55.38	34.27	19.11		180	

**Sampling Analysis**  
**Project #19531**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

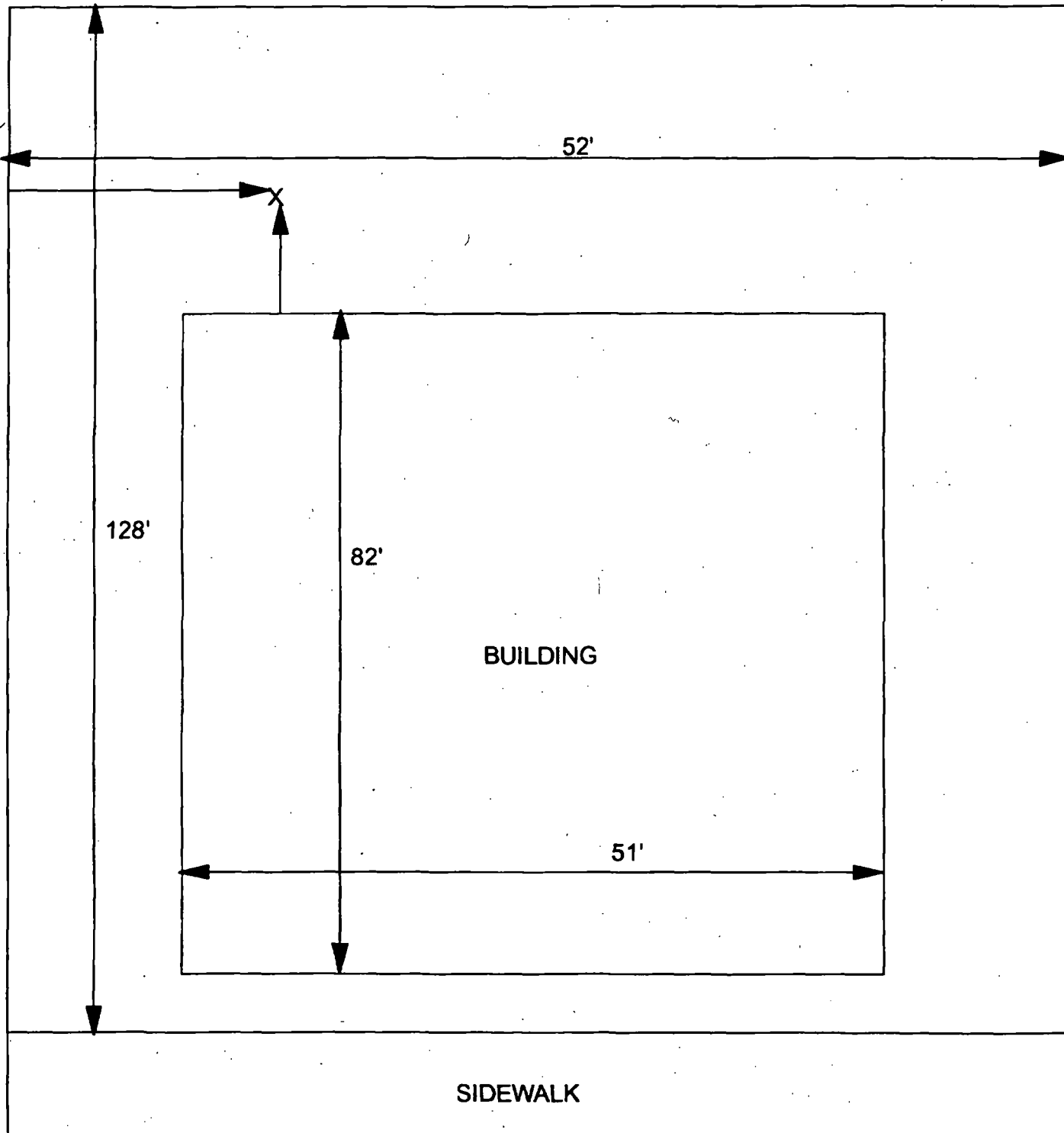
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.


 1327

333

610



X = SAMPLE POINT

		<b>OHM Corporation</b> Findlay, Ohio	
Drawn By:	EDJ	Checked By:	
Date:	7/29/98	Approved By:	
Scale:	NTS	Drawing No:	



Action Date: 4/7/98

Loadout: 4/8/98

Restoration Begins: 4/9/98

Restoration Completed: 4/18/98

\*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

\*An excavation depth of 3 inches was established by USACE prior to work commencing.

\*The excavation of special waste yielded a total of 69.46 cubic yards, which was shipped to WMI-Milam for disposal.

\*Equipment utilized during excavation:

\*TL-26

\*TCM

\*X331

\*17KW

\*Subcontractors:

\*WMI-landfill

\*B. Garcia-trucking

\*Granthum-trucking

\*Schneider Turf Farm

OHM CORPORATION  
PROJECT 19531  
GRANITE CITY, IL

QUANTITY SUMMARY FOR




SPECIAL WASTE (TONS)	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD CU.YDS.	CONCF
90.3	11					540	

**Sampling Analysis  
Project #19531**

**0 - 3" Front and Back**

	<b>A</b>	<b>A</b>	<b>A</b>
<b>Street/Number</b>	<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>Address</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>

 353 515  
403 446

**3 - 6" Front and Back**

<b>B</b>	<b>B</b>	<b>B</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

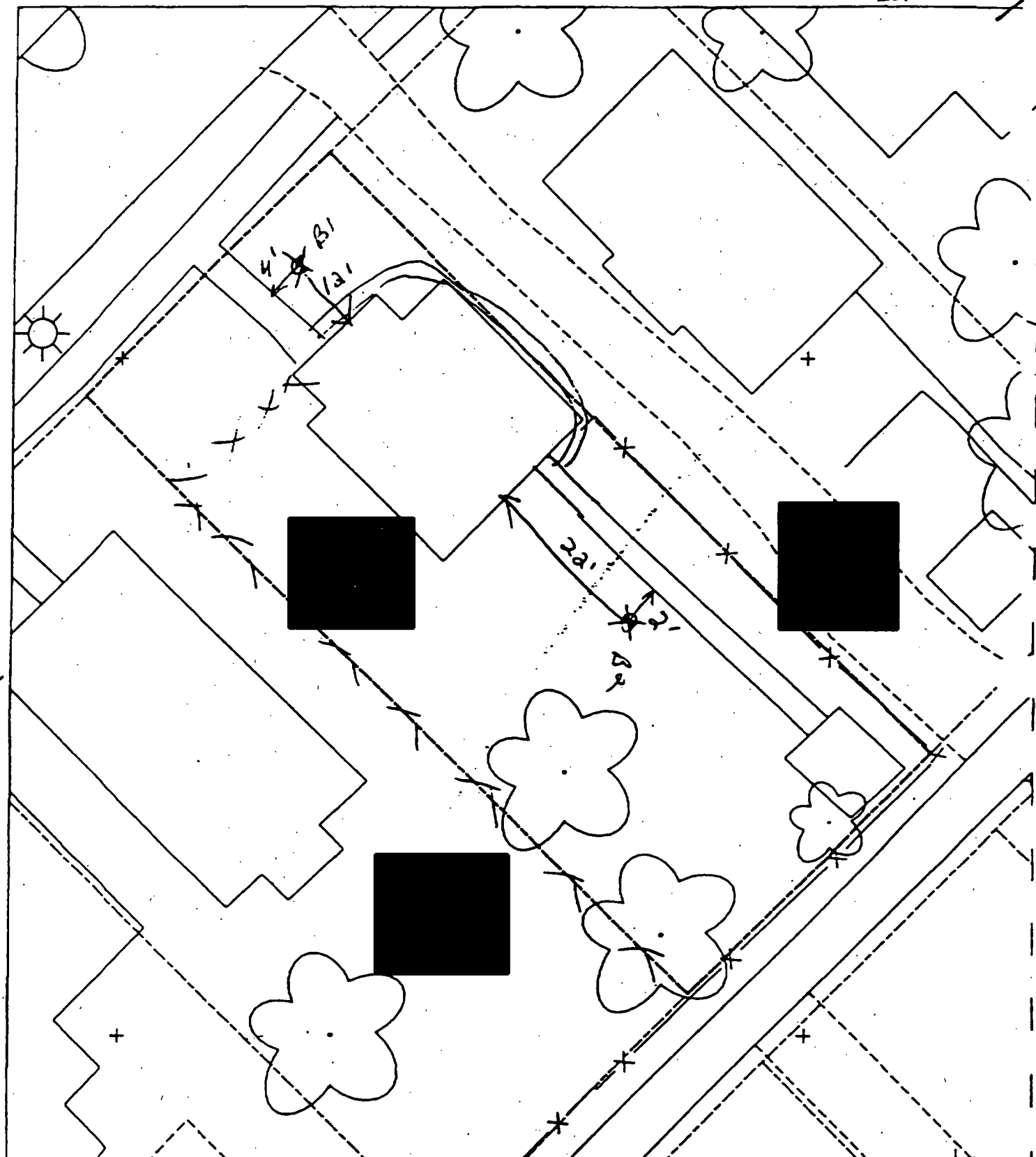
297 437

**6 - 12" Front and Back**

<b>C</b>	<b>C</b>	<b>C</b>
<b>PPM</b>	<b>PPM</b>	<b>PPM</b>
<b>No.</b>	<b>No.</b>	<b>No.</b>

91 272





B<sup>1</sup> - 12' north of house; 4' east of sidewalk.

To gravel 35%

B<sup>2</sup> - 22' - 16' of house; 2' - 1' of sidewalk.